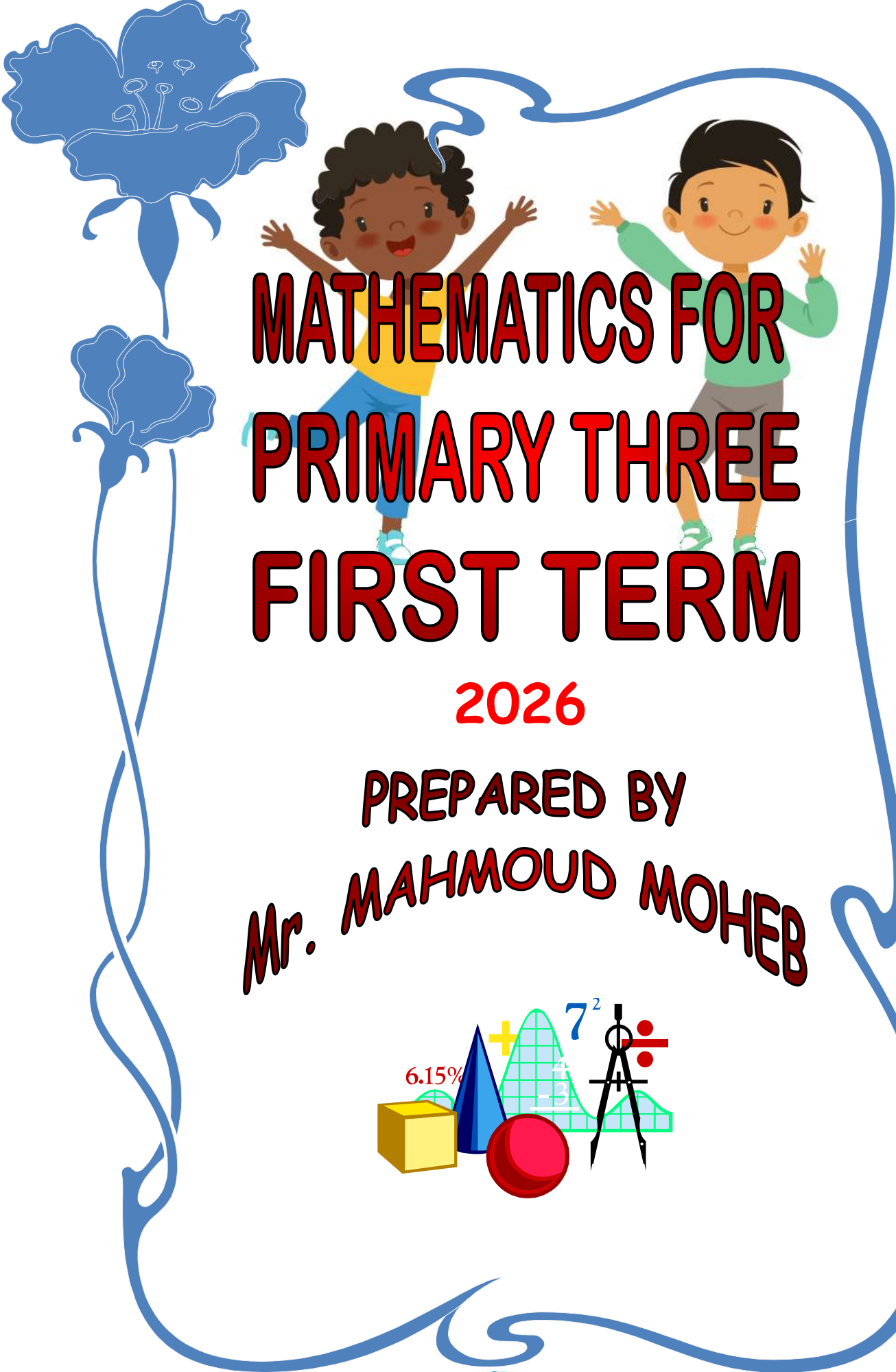
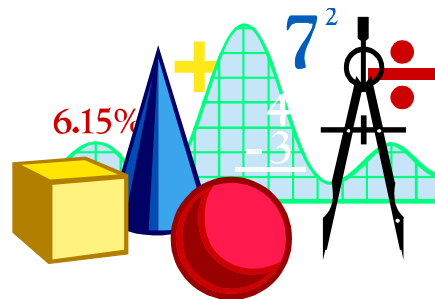




MATHEMATICS FOR PRIMARY THREE FIRST TERM

2026

PREPARED BY
Mr. MAHMOUD MOHEB



Chapter One

I PATTERNS

Choose the correct answer:

- (1)       ...
- a.  b.  c. 

- (2)       ...
- a.  b.  c. 

- (3)      ... 
- a.  b.  c. 

- (4)       ...
- a.  b.  c. 

- (5)        ...
- a.   b.   c.  

Choose the correct answer:

- (1) 10 20 30 40 50 60 ...
a. 50 b. 20 c. 70

- (2) 5 10 15 20 25 30 ...
a. 35 b. 40 c. 45

- (3) 2 4 6 8 10 12 ...
a. 13 b. 14 c. 15

- (4) 20 30 40 50 60 70 ...
a. 71 b. 75 c. 80

- (5) 21 22 23 24 25 ...
a. 20 b. 26 c. 30

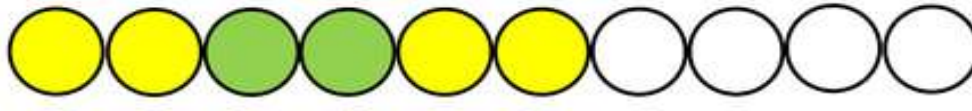
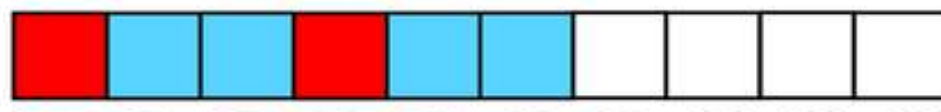
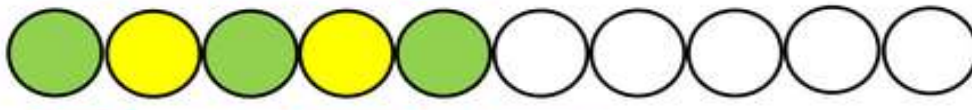
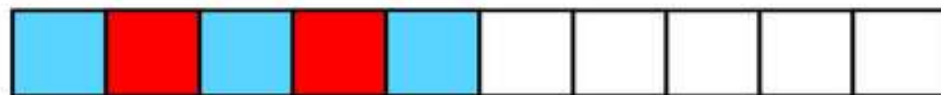
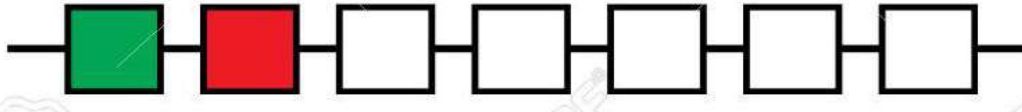
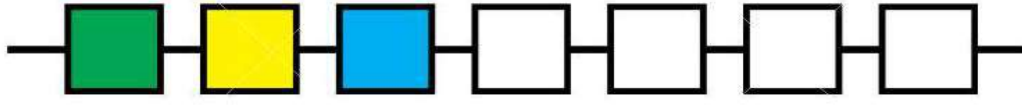
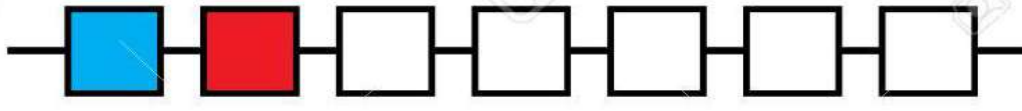
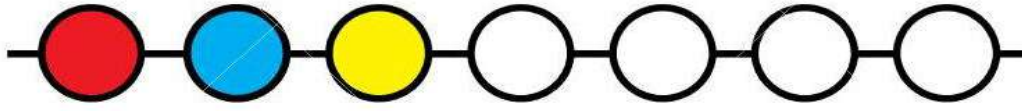
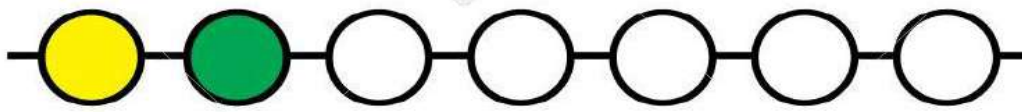
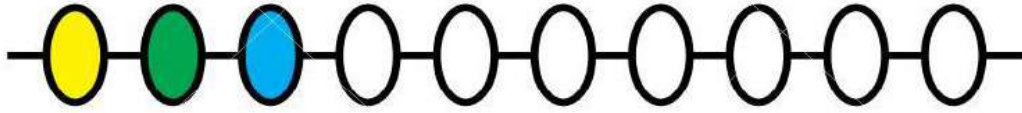
- (6) 1 3 5 7 9 ...
a. 10 b. 11 c. 12

- (7) 34 44 54 64 74 ...
a. 75 b. 76 c. 84

- (8) 90 80 70 60 50 ...
a. 60 b. 40 c. 20

- (9) 71 61 51 41 31 ...
a. 21 b. 22 c. 23

Complete the pattern using colors:

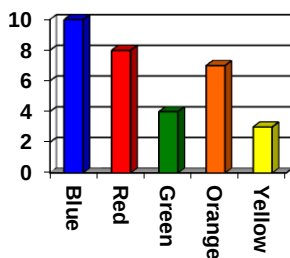


2 MORE OF BAR GRAPHS

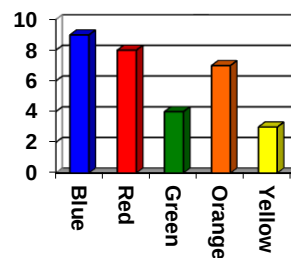
Choose the correct bar graph:

(1)

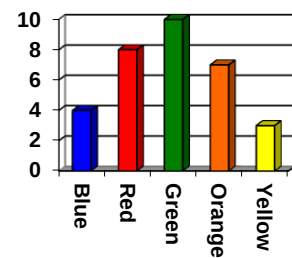
Favorite color	Blue	Red	Green	Orange	Yellow
No. of students	10	8	4	7	3



a.



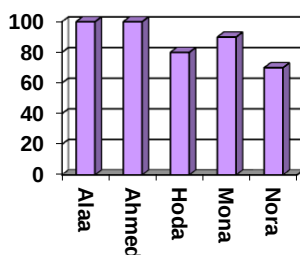
b.



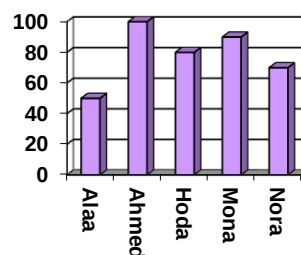
c.

(2)

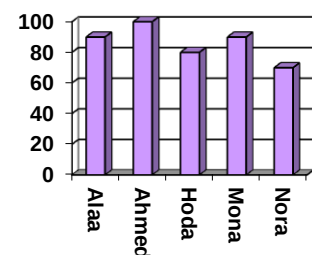
Name	Alaa	Ahmed	Hoda	Mona	Nora
Marks	90	100	80	90	70



a.



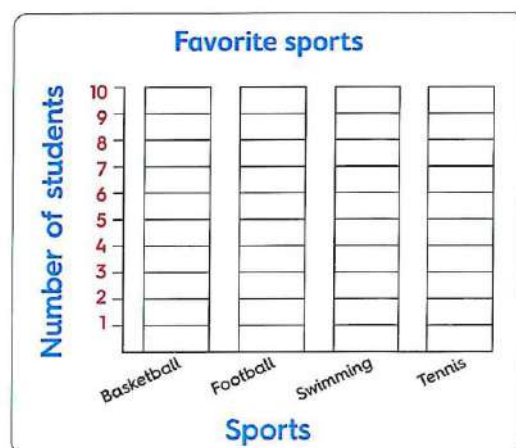
b.



c.

Count the tallies. Write the total. Color the graph to show the data.

Favorite sports		
Sports	Number of students	Number
Basketball		_____
Football		_____
Swimming		_____
Tennis		_____



HOMEWORK

Find the rule. Complete in the same pattern.

a. 30, 40, 50, 60, 70, _____, _____, _____, _____

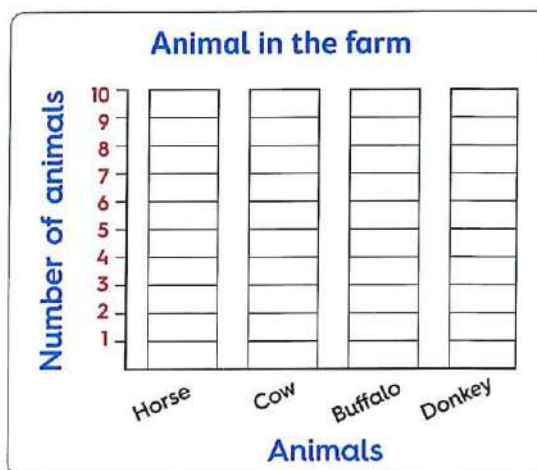
b. 52, 54, 56, 58, _____, _____, _____, _____

c. 39, 35, 31, 27, _____, _____

d. 98, 88, 78, 68, _____, _____

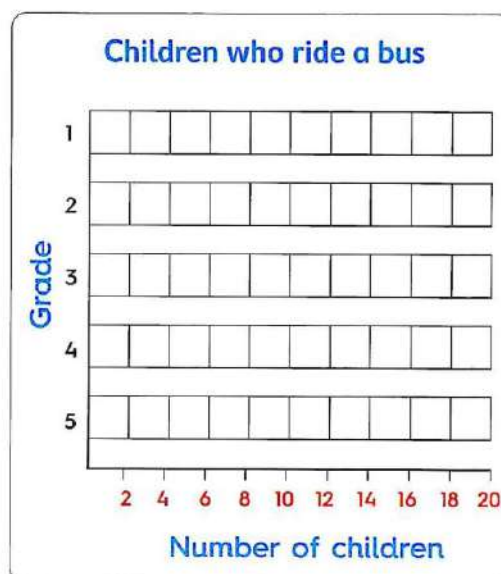
Complete the tally table. Color the graph to show data, then answer the questions.

Animals in the farm		
Animal	Tally	Number
Horse		_____
Cow		_____
Buffalo		_____
Donkey		_____



Count the tallies. Write the total. Color the graph to show the data.

Children who ride a bus		
Grade	Number of children	Number
1		_____
2		_____
3		_____
4		_____
5		_____



3 LINE PLOTS

Create the line plot using the set of given numbers:

(1)

5	6	4	7	8	9	8	7
6	5	4	4	5	4	4	6



(2)

1	2	3	2	5	6	5	7
10	1	1	4	9	1	4	8



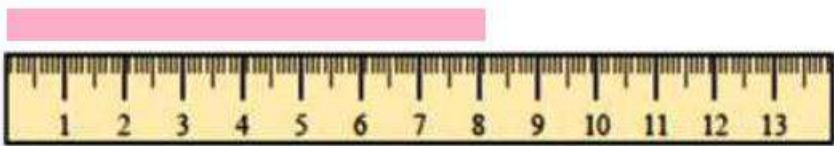
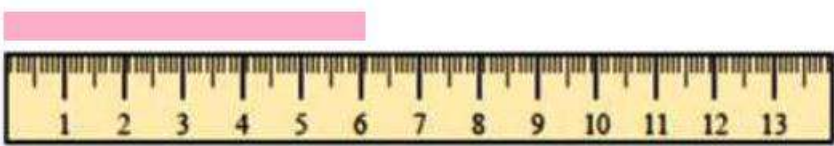
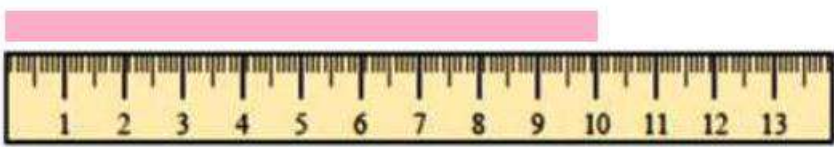
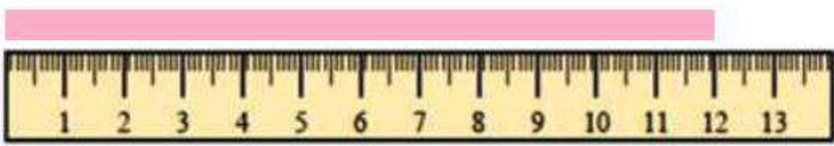
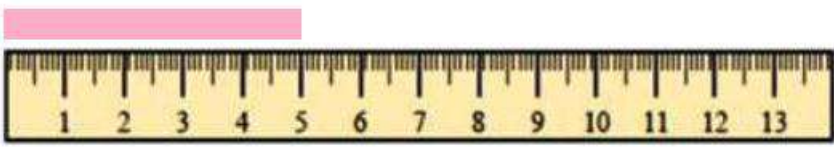
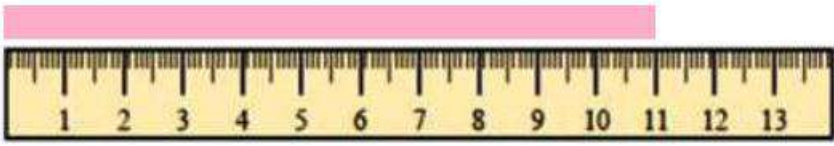
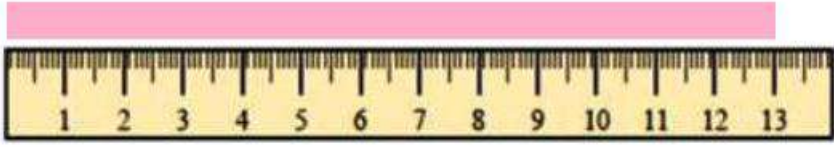
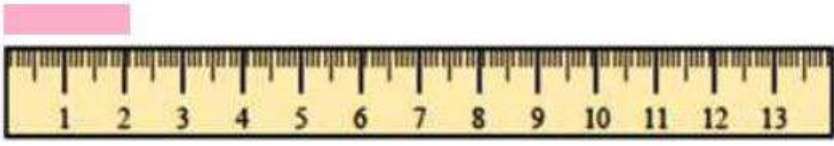
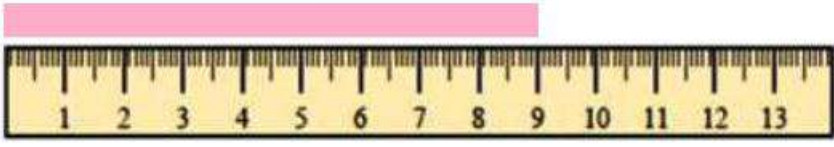
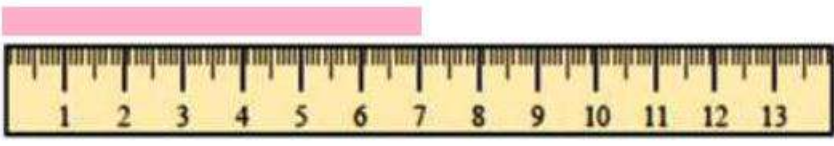
(3)

20	22	22	23	23	23	23	24
25	26	27	28	28	28	29	29



4 MEASURING LENGTH

Complete the table:

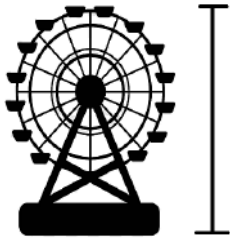
No.	Bars	length
(1)		 cm
(2)		 cm
(3)		 cm
(4)		 cm
(5)		 cm
(6)		 cm
(7)		 cm
(8)		 cm
(9)		 cm
(10)		 cm

Look at the images below, and then complete the table:

IMAGES	METERS OR CENTIMETERS?
	
	
	
	
	
	

Choose the best answer:

(1) Ferris Wheel



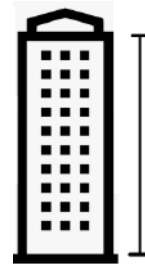
- a. 30 centimeters
- b. 3 meters
- c. 20 meters

(2) Screw



- a. 20 centimeters
- b. 1 meter
- c. 3 centimeters

(3) Building



- a. 300 centimeters
- b. 3 meters
- c. 30 meters

(4) Flash Memory



- a. 6 centimeters
- b. 30 centimeters
- c. 20 centimeters

(5) Horse



- a. 90 centimeters
- b. 2 meters
- c. 30 centimeters

(6) Key



- a. 15 centimeters
- b. 5 centimeters
- c. 5 meter

(7) Notebook



- a. 5 centimeters
- b. 5 meters
- c. 25 centimeters

(8) Recliner



- a. 30 centimeters
- b. 1 meter
- c. 50 centimeters

(9) Can of Beans



- a. 120 centimeters
- b. 3 meters
- c. 10 centimeters

Choose the suitable answer:

1. The yarn is about 5 centimeters long. Circle the best estimate for the length of the crayon.



10 centimeters

15 centimeters

20 centimeters

2. The string is about 12 centimeters long. Circle the best estimate for the length of the straw.



3 centimeters

7 centimeters

11 centimeters

3. The rope is about 8 centimeters long. Circle the best estimate for the length of the paper clip.



2 centimeters

4 centimeters

8 centimeters

4. The pencil is about 11 centimeters long. Circle the best estimate for the length of the chain.



6 centimeters

10 centimeters

13 centimeters

5. The hair clip is about 7 centimeters long. Circle the best estimate for the length of the yarn.



10 centimeters

17 centimeters

22 centimeters

Circle the better estimation:

1.



15 cm long 50 cm long

2.



1 m tall 10 m tall

3.



3 cm long 3 m long

4.



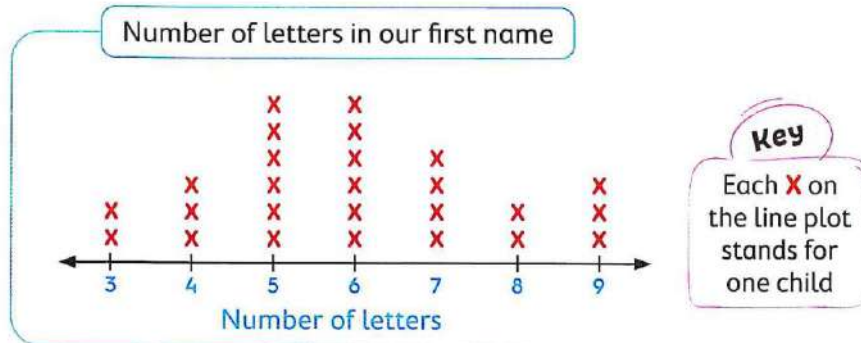
10 m tall 10 cm tall

Estimate the length then complete:

Find the real object.	Measure.
chair	_____ centimeters _____ meters
teacher's desk	_____ centimeters _____ meters
wall	_____ centimeters _____ meters

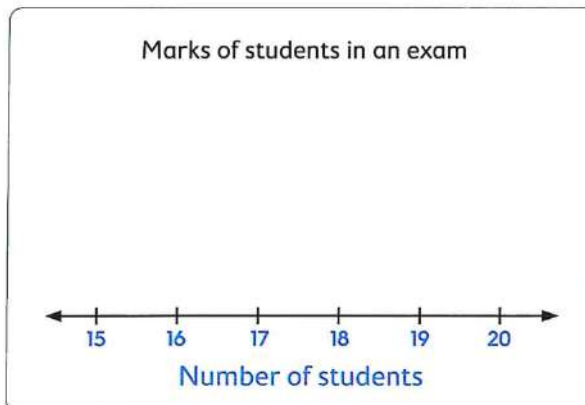
HOMEWORK

Use the line plot to answer the questions.



- How many children have 5 letters in their first name? _____ children.
- What is the smallest number of letters in a child's first name? _____ letters.
- What is the greatest number of letters in a child's first name? _____ letters.

Use the table to draw a line plot.



Marks of students in an exam	
Marks	Number of students
15	2
16	1
17	3
18	5
19	4
20	2

key Each X = _____ student

Use the ruler to measure the length of each of the following.

a.



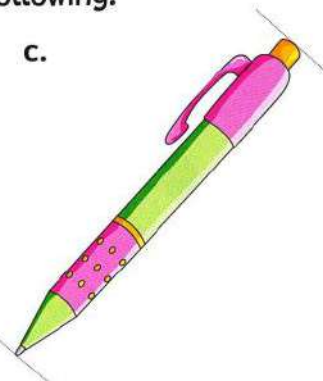
_____ centimeter

b.



_____ centimeter

c.



_____ centimeter

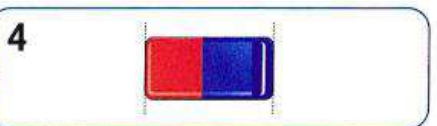
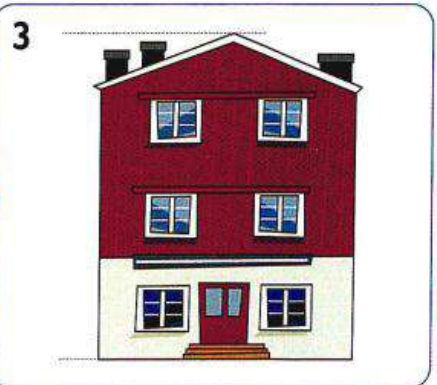
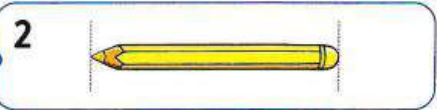
Estimate and match.

a about 2 cm

b about 10 m

c about 2 m

d about 10 cm



Put (✓) to the correct statement or (X) to the incorrect statement.

- a. The length of a bus is about 5 cm ()
- b. The length of your book is about 30 cm ()
- c. The length of an insect is about 3 m ()
- d. The length of your pen is about 15 cm ()
- e. Millimeter is a suitable unit to measure the length of large distances. ()

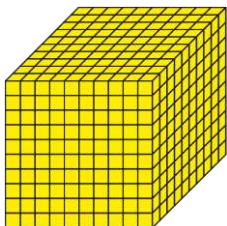
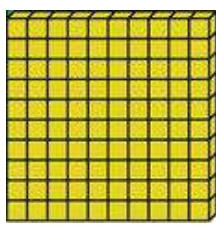
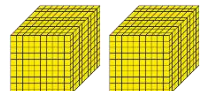
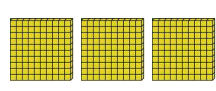
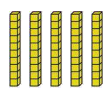
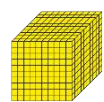
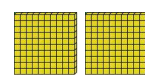
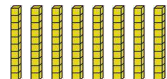
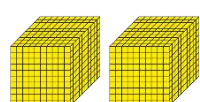
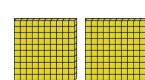
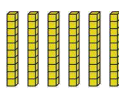
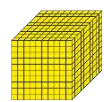
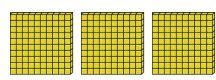
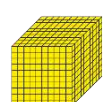
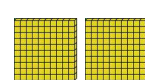
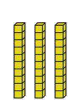
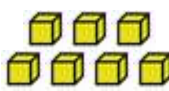
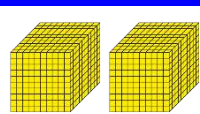
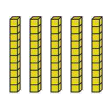
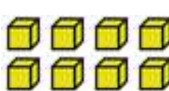
Choose the correct answer.

- a. 3 cm = _____ mm (3 or 30 or 300)
- b. 24 cm = _____ mm (240 or 40 or 200)
- c. 70 mm = _____ cm (70 or 700 or 7)

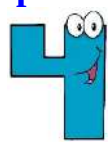
Chapter Two

I THOUSANDS

Write the correct number:

Thousands	Hundreds	Tens	Ones	The number
				
				2354
				
				
				
				
				

The value and the place value

I am in the hundred thousands place  My value is 200 000	I am in the ten thousands place  My value is 40 000	I am in the thousands place  My value is 1 000	I am in the hundreds place  My value is 900	I am in the tens place  My value is 80	I am in the ones place  My value is 7
---	--	---	--	---	--

Write the value and the place value of the **red digit**:

The number	The place value	The value
24 5 136	Thousands	5 000
3 6 8 132		
703 2 0 1		
3 0 0 109		
6 23 871		
36 9 5 0		
79 4 56		
9 23 4		
652 3 4 8		
1 4 369		
258 9 6 3		
1 9 65		
7 00 000		
1 5 0 000		
78 4 596		
4 51 263		
1 0 2 000		

Complete the Table:

Standard form	Expanded form
245 136 =	200 000 + 40 000 + 5000 + 100 + 30 + 6
368 132 =	
703 201 =	
300 109 =	
623 871 =	
36 950 =	
79 456 =	
9 234 =	
3 001 =	
..... =	600 000 + 50 000 + 2 000 + 300 + 40 + 8
..... =	10 000 + 4 000 + 300 + 60 + 9
..... =	200 000 + 8 000 + 900 + 3
..... =	1 000 + 900 + 60 + 5
..... =	700 000 + 200 + 4
..... =	100 000 + 50 000 + 90
..... =	20 000 + 900 + 8
..... =	600 000 + 20 000 + 3000

Write the place value and the value of the colored digit.

	Place value	Value		Place value	Value
a. 5,839			b. 7,282		
c. 2,106			d. 5,018		

Write each of the following in standard form.

- a. $4,000 + 500 + 60 + 7 =$ _____
- b. $7,000 + 400 + 8 =$ _____
- c. $50 + 9 + 6,000 =$ _____
- d. $8,000 + 60 =$ _____
- e. Three thousand, five hundred thirteen = _____
- f. 9 thousands, 5 hundreds and 8 ones = _____

Complete.

- a. $5,000 =$ _____ thousands
- b. $7,000 =$ _____ hundreds
- c. $8,000 =$ _____ tens
- d. 40 hundreds = _____ thousands
- e. 900 tens = _____ hundreds
- f. _____ = 500 tens

HOMWORK

Write the following numbers in expanded form.

- a. $3,284 =$ _____ + _____ + _____ + _____
- b. $5,123 =$ _____ + _____ + _____ + _____
- c. $9,856 =$ _____ + _____ + _____ + _____

Write the place value and the value of the colored digit.

	place value	value		place value	value
a. 3,791			b. 6,129		
c. 4,182			d. 8,063		
e. 5,629			f. 1,034		

Write in standard form.

a. $2,000 + 600 + 30 + 4 =$ _____	b. $1 + 70 + 800 + 6,000 =$ _____
c. $4,000 + 500 + 90 + 3 =$ _____	d. $3,000 + 300 + 9 =$ _____

Write the following in standard form.

- a. Five thousand, three hundred seventy-eight
- b. Two thousand, five hundred thirty-one
- c. Nine thousand, four hundred six

Write the following in the word form.

- a. 3,751 _____
- b. 4,004 _____

Complete.

a. 6,000 = _____ thousands.

b. 2,000 = _____ hundreds.

c. 7,000 = _____ tens.

d. 80 hundreds = _____ thousands.

e. 500 tens = _____ thousands.

f. 900 tens = _____ hundreds.

Complete using (<), (>) or (=):

23 456 ○ 33 456

34 901 ○ 21 479

10 478 ○ 9 876

124 200 ○ 321 100

987 143 ○ 976 143

801 900 ○ 800 000

65 243 ○ 60 000 + 5000 + 200 + 40 + 3

32 469 ○ 90 000 + 1000 + 400 + 60 + 9

93 241 ○ 800 000 + 20 000 + 300 + 20 + 1

Order from **smallest to greatest**: ↑

① 426 178 , 320 198 , 102 329 , 258 987

..... , , ,

② 536 279 , 92 358 , 120 350 , 471 084

..... , , ,

③ 321 273 , 900 000 , 400 329 , 200 900

..... , , ,

④ 321 957 , 91 300 , 85 618 , 300 987

..... , , ,



Order from **greatest to smallest**: ↓

① 426 178 , 320 198 , 102 329 , 258 987

..... , , ,

② 536 279 , 92 358 , 120 350 , 471 084

..... , , ,

③ 321 273 , 900 000 , 400 329 , 200 900

..... , , ,

④ 321 957 , 91 300 , 85 618 , 300 987

..... , , ,



HOMEWORK

Write the numbers in an ascending order.

a. 6,987

6,978

7,896

987

The order is : _____ , _____ , _____ , _____

b. 4,782

3,521

9,835

5,336

The order is : _____ , _____ , _____ , _____

Write the numbers in a descending order.

a. 5,300

1,050

1,500

3,805

The order is : _____ , _____ , _____ , _____

b. 7,321

941

6,541

9,541

The order is : _____ , _____ , _____ , _____

Rearrange the digits to get the greatest and the least number.

a. 7 3 6 2 8

greatest least

b. 6 2 3 8 1 4

greatest least

c. 7 2 1 0 9

greatest least

d. 2 0 3 5 6 1

greatest least

2 ARRAYS



Number of rows:

Number of apples in each row:

Total number of apples:



Number of rows:

Number of cupcakes in each row:

Total number of cupcakes:



Number of rows:

Number of biscuits in each row:

Total number of biscuits:



Number of rows:

Number of donuts in each row:

Total number of donuts:



Number of rows:

Number of cupcakes each row:

Total number of cupcakes:



Number of rows:

Number of mangoes in each row:

Total number of mangoes:



Number of rows:

Number of eggs in each row:

Total number of eggs:



Number of rows:

Number of donuts in each row:

Total number of donuts:



Number of columns:

Number of stars in each column:

Total number of stars:



Number of columns:

Number of stars in each column:

Total number of stars:



Number of columns:

Number of stars in each column:

Total number of stars:



Number of columns:

Number of stars in each column:

Total number of stars:



Number of columns:

Number of stars in each column:

Total number of stars:



Number of columns:

Number of stars in each column:

Total number of stars:



Number of columns:

Number of stars in each column:

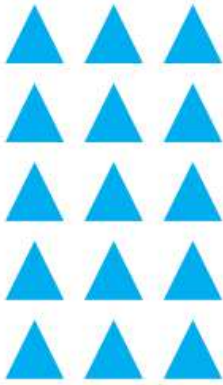
Total number of stars:



Number of columns:

Number of stars in each column:

Total number of stars:

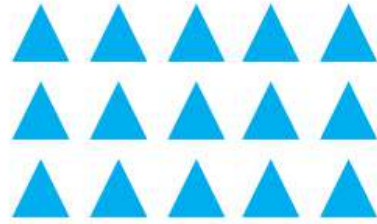


Number of rows: _____

Number of columns: _____

Total number of triangles: _____

$$\begin{array}{ccc} \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \text{rows} & & \text{columns} \quad \text{product} \end{array}$$



Number of rows: _____

Number of columns: _____

Total number of triangles: _____

$$\begin{array}{ccc} \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \text{rows} & & \text{columns} \quad \text{product} \end{array}$$



Number of rows: _____

Number of columns: _____

Total number of hearts: _____

$$\begin{array}{ccc} \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \text{rows} & & \text{columns} \quad \text{product} \end{array}$$

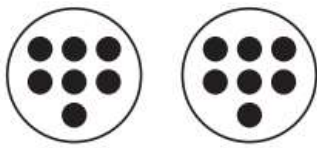


Number of rows: _____

Number of columns: _____

Total number of hearts: _____

$$\begin{array}{ccc} \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \text{rows} & & \text{columns} \quad \text{product} \end{array}$$

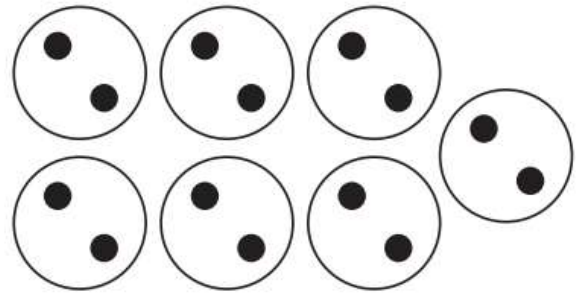


Number of circles: _____

Number of dots: _____

Total number of dots: _____

$$\frac{\quad}{\text{circles}} \times \frac{\quad}{\text{dots}} = \frac{\quad}{\text{product}}$$

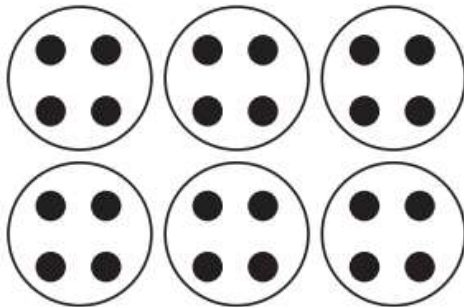


Number of circles: _____

Number of dots: _____

Total number of dots: _____

$$\frac{\quad}{\text{circles}} \times \frac{\quad}{\text{dots}} = \frac{\quad}{\text{product}}$$

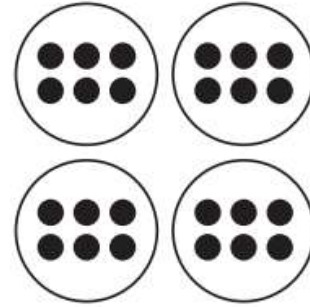


Number of circles: _____

Number of dots: _____

Total number of dots: _____

$$\frac{\quad}{\text{circles}} \times \frac{\quad}{\text{dots}} = \frac{\quad}{\text{product}}$$



Number of circles: _____

Number of dots: _____

Total number of dots: _____

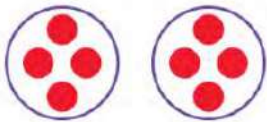
$$\frac{\quad}{\text{circles}} \times \frac{\quad}{\text{dots}} = \frac{\quad}{\text{product}}$$

1. Write a multiplication sentence for the array.



Write a multiplication sentence for the model. Then use the Commutative Property of Multiplication to write a related multiplication sentence.

2.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

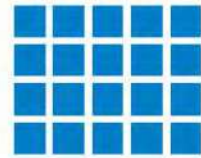
3.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

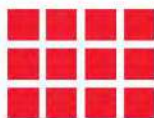
4.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

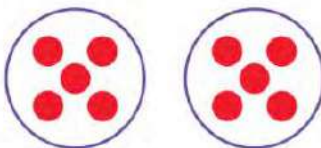
5.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

6.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

7.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

HOMEWORK

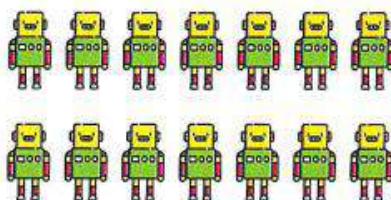
Complete the following.

a.



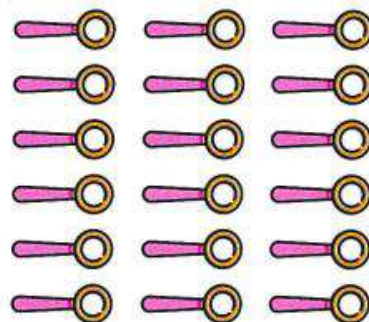
_____ rows of _____

b.



_____ rows of _____

c.



_____ rows of _____

Look at each array. Complete.

a.



_____ equal rows _____ in each row
_____ in all.

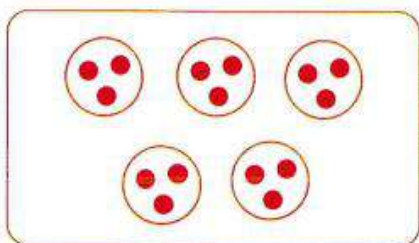
b.



_____ equal columns _____ in each
column _____ in all.

Write an addition sentence and a multiplication sentence to find the total.

a.

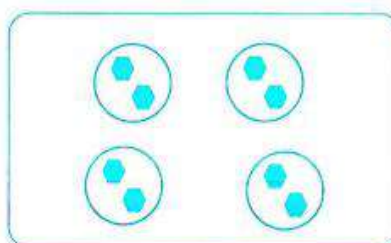


• Repeated addition :

_____ + _____ + _____ + _____ + _____ = _____

• Multiplication : _____ × _____ = _____

b.



• Repeated addition :

_____ + _____ + _____ + _____ = _____

• Multiplication : _____ × _____ = _____

Complete.

a. $3 + 3 + 3 + 3 = \text{---} \times 3 = \text{---}$

b. $7 + 7 + 7 = \text{---} \times 7 = \text{---}$

c. $4 + 4 + 4 + 4 + 4 = \text{---} \times 4 = \text{---}$

d. $\text{---} + \text{---} + \text{---} + \text{---} = 4 \times 5 = \text{---}$

e. $6 + 6 + 6 = \text{---} \times \text{---} = \text{---}$

f. $9 + 9 + 9 + 9 = \text{---} \times \text{---} = \text{---}$

Choose the correct answer.

a. $3 + 3 + 3 + 3 + 3 = \text{---} \times 3$

A. 3

B. 4

C. 5

D. 6

b. 4 groups of 2 = ---

A. $4 + 2$

B. 4×4

C. $2 \times 2 \times 2 \times 2$

D. 4×2

c. 2 groups of 9 = $9 + \text{---}$

A. 2

B. 9

C. 18

D. $9 + 9$

d. $2 \times 3 = 3 + \text{---}$

A. 0

B. 1

C. 2

D. 3

e. $7 + 7 + 7 = 3 \times \text{---}$

A. 3

B. 5

C. 7

D. 9

Complete.

a. $3 \times 5 = 5 \times \text{---}$

b. $2 \times \text{---} = 9 \times 2$

c. $\text{---} \times 8 = 8 \times 7$

d. $4 \times 6 = \text{---} \times 4$

e. $7 \times 10 = 10 \times \text{---}$

f. $4 \times \text{---} = 1 \times \text{---}$



Chapter Three

I APPLICATIONS

Example problem: Farha went to the store to buy rolls for a big family dinner. At the store, she bought 4 bags of rolls. Each bag contained 5 rolls. How many rolls did Farha buy?

Work Space:

Multiplication equation: _____



1. On Samira's walk home she saw 6 cars. If each car has 4 wheels, how many wheels did she see in all?

Work Space:

Multiplication equation: _____



2. Manal brought 6 bags of cookies to school. Each bag had 3 cookies in it. How many cookies were there all together?

Work Space:

Multiplication equation: _____



3. Malek runs 3 miles each day. How many miles does he run in 7 days?

Work Space:

Multiplication equation: _____



4. A bag of oranges holds 4 oranges. How many oranges are in 8 bags?

Work Space:

Multiplication equation: _____



5. It takes a rocket 7 seconds to travel one kilometer. How many seconds will it take to travel 4 kilometers?

Work Space:

Multiplication equation: _____



6. Each pack of pencils contains 8 pencils. How many pencils are in 3 packs?

Work Space:

Multiplication equation: _____



HOMEWORK

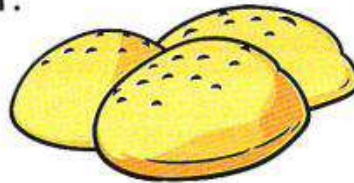
Read and solve. You may use counters to solve.

Ahmed has 2 packets of sweets each contains 5 pieces of sweets.



How many pieces of sweets Ahmed has ?

 Farha went to the store to buy rolls for a big family dinner. At the store, she bought 4 bags of rolls. Each bag contained 5 rolls.



How many rolls did Farha buy ?

Adam runs 2 hours every day.

What is the number of running hours in 9 days ?



2 MULTIPLICATION

TABLE 2



Complete:

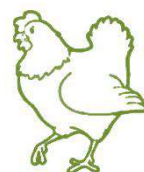
(a) The number of legs of 2 hens = ... × ... = ...

(b) The number of legs of 3 hens = ... × ... = ...

(c) The number of legs of 5 hens = ... × ... = ...

(d) The number of legs of 8 hens = ... × ... = ...

(e) The number of legs of 9 hens = ... × ... = ...



[illegible]

TABLE 3



Complete:

- (a) The Price of 2 pens = ... × ... = ...
- (b) The Price of 5 pens = ... × ... = ...
- (c) The Price of 3 pens = ... × ... = ...
- (d) The Price of 7 pens = ... × ... = ...
- (e) The Price of 9 pens = ... × ... = ...
- (f) The Price of 8 pens = ... × ... = ...



3 × 1	3 × 2	3 × 3	3 × 4	3 × 5	3 × 6	3 × 7	3 × 8	3 × 9	3 × 10	3 × 11	3 × 12
1 × 3	2 × 3	3 × 3	4 × 3	5 × 3	6 × 3	7 × 3	8 × 3	9 × 3	10 × 3	11 × 3	12 × 3
3 × 2	3 × 4	3 × 6	3 × 8	3 × 10	3 × 12	3 × 11	3 × 9	3 × 7	3 × 5	3 × 3	3 × 1
3 × 1	3 × 7	3 × 2	3 × 8	3 × 3	3 × 9	3 × 4	3 × 10	3 × 5	3 × 11	3 × 6	3 × 12
3 × 12	3 × 11	3 × 10	3 × 9	3 × 8	3 × 7	3 × 6	3 × 5	3 × 4	3 × 3	3 × 2	3 × 1
3 × 12	3 × 1	3 × 2	3 × 3	3 × 4	3 × 5	3 × 6	3 × 7	3 × 8	3 × 9	3 × 10	3 × 11
3 × 11	3 × 10	3 × 9	3 × 8	3 × 7	3 × 6	3 × 5	3 × 4	3 × 3	3 × 2	3 × 1	3 × 12
3 × 11	3 × 12	3 × 1	3 × 2	3 × 3	3 × 4	3 × 5	3 × 6	3 × 7	3 × 8	3 × 9	3 × 10
3 × 10	3 × 9	3 × 8	3 × 7	3 × 6	3 × 5	3 × 4	3 × 3	3 × 2	3 × 1	3 × 12	3 × 11
3 × 10	3 × 11	3 × 12	3 × 1	3 × 2	3 × 3	3 × 4	3 × 5	3 × 6	3 × 7	3 × 8	3 × 9

TABLE 4

4 × 1	4 × 2	4 × 3	4 × 4	4 × 5	4 × 6	4 × 7	4 × 8	4 × 9	4 × 10	4 × 11	4 × 12
1 × 4	2 × 4	3 × 4	4 × 4	5 × 4	6 × 4	7 × 4	8 × 4	9 × 4	10 × 4	11 × 4	12 × 4
4 × 2	4 × 4	4 × 6	4 × 8	4 × 10	4 × 12	4 × 11	4 × 9	4 × 7	4 × 5	4 × 3	4 × 1
4 × 1	4 × 7	4 × 2	4 × 8	4 × 3	4 × 9	4 × 4	4 × 10	4 × 5	4 × 11	4 × 6	4 × 12
4 × 12	4 × 11	4 × 10	4 × 9	4 × 8	4 × 7	4 × 6	4 × 5	4 × 4	4 × 3	4 × 2	4 × 1
4 × 12	4 × 1	4 × 2	4 × 3	4 × 4	4 × 5	4 × 6	4 × 7	4 × 8	4 × 9	4 × 10	4 × 11
4 × 11	4 × 10	4 × 9	4 × 8	4 × 7	4 × 6	4 × 5	4 × 4	4 × 3	4 × 2	4 × 1	4 × 12
4 × 11	4 × 12	4 × 1	4 × 2	4 × 3	4 × 4	4 × 5	4 × 6	4 × 7	4 × 8	4 × 9	4 × 10
4 × 10	4 × 9	4 × 8	4 × 7	4 × 6	4 × 5	4 × 4	4 × 3	4 × 2	4 × 1	4 × 12	4 × 11
4 × 10	4 × 11	4 × 12	4 × 1	4 × 2	4 × 3	4 × 4	4 × 5	4 × 6	4 × 7	4 × 8	4 × 9

HOMEWORK

Find each product.

a. 3×7

b. 2×4

c. 2×8

d. 3×8

e. 1×2

f. 5×3

g. 2×2

h. 3×4

i. 4×7

j. 4×3

k. 4×4

l. 3×5

m. 5×4

n. 4×10

o. 6×4

p. 4×8

q. 2×3

r. 2×7

s. 2×6

t. 3×6

Put (✓) to the correct statement or (X) to the incorrect statement.

a. $3 \times 5 = 8$

()

b. $2 \times 7 = 14$

()

c. $1 \times 4 = 4$

()

d. $4 \times 10 = 14$

()

e. $0 \times 7 = 7$

()

f. $2 \times 6 = 12$

()

Choose the correct answer.

a. $2 \times \underline{\quad} = 10$

☐ 10☐ 5☐ 3☐ 8

b. $\underline{\quad} \times 3 = 30$

☐ 6☐ 8☐ 10☐ 5

c. $\underline{\quad} \times 2 = 18$

☐ 8☐ 16☐ 7☐ 9

d. $2 \times \underline{\quad} = 4 + 4 + 4$

☐ 2☐ 4☐ 6☐ 8

TABLE 5

5 × 1	5 × 2	5 × 3	5 × 4	5 × 5	5 × 6	5 × 7	5 × 8	5 × 9	5 × 10	5 × 11	5 × 12
1 × 5	2 × 5	3 × 5	4 × 5	5 × 5	6 × 5	7 × 5	8 × 5	9 × 5	10 × 5	11 × 5	12 × 5
5 × 2	5 × 4	5 × 6	5 × 8	5 × 10	5 × 12	5 × 11	5 × 9	5 × 7	5 × 5	5 × 3	5 × 1
5 × 1	5 × 7	5 × 2	5 × 8	5 × 3	5 × 9	5 × 4	5 × 10	5 × 5	5 × 11	5 × 6	5 × 12
5 × 12	5 × 11	5 × 10	5 × 9	5 × 8	5 × 7	5 × 6	5 × 5	5 × 4	5 × 3	5 × 2	5 × 1
5 × 12	5 × 1	5 × 2	5 × 3	5 × 4	5 × 5	5 × 6	5 × 7	5 × 8	5 × 9	5 × 10	5 × 11
5 × 11	5 × 10	5 × 9	5 × 8	5 × 7	5 × 6	5 × 5	5 × 4	5 × 3	5 × 2	5 × 1	5 × 12
5 × 11	5 × 12	5 × 1	5 × 2	5 × 3	5 × 4	5 × 5	5 × 6	5 × 7	5 × 8	5 × 9	5 × 10
5 × 10	5 × 9	5 × 8	5 × 7	5 × 6	5 × 5	5 × 4	5 × 3	5 × 2	5 × 1	5 × 12	5 × 11
5 × 10	5 × 11	5 × 12	5 × 1	5 × 2	5 × 3	5 × 4	5 × 5	5 × 6	5 × 7	5 × 8	5 × 9

TABLE 6

1 $\times 6$	2 $\times 6$	3 $\times 6$	4 $\times 6$	5 $\times 6$	6 $\times 6$	7 $\times 6$	8 $\times 6$	9 $\times 6$	10 $\times 6$	11 $\times 6$	12 $\times 6$
6 $\times 2$	6 $\times 4$	6 $\times 6$	6 $\times 8$	6 $\times 10$	6 $\times 12$	6 $\times 11$	6 $\times 9$	6 $\times 7$	6 $\times 5$	6 $\times 3$	6 $\times 1$
6 $\times 1$	6 $\times 7$	6 $\times 2$	6 $\times 8$	6 $\times 3$	6 $\times 9$	6 $\times 4$	6 $\times 10$	6 $\times 5$	6 $\times 11$	6 $\times 6$	6 $\times 12$
6 $\times 12$	6 $\times 11$	6 $\times 10$	6 $\times 9$	6 $\times 8$	6 $\times 7$	6 $\times 6$	6 $\times 5$	6 $\times 4$	6 $\times 3$	6 $\times 2$	6 $\times 1$
6 $\times 12$	6 $\times 1$	6 $\times 2$	6 $\times 3$	6 $\times 4$	6 $\times 5$	6 $\times 6$	6 $\times 7$	6 $\times 8$	6 $\times 9$	6 $\times 10$	6 $\times 11$
6 $\times 11$	6 $\times 10$	6 $\times 9$	6 $\times 8$	6 $\times 7$	6 $\times 6$	6 $\times 5$	6 $\times 4$	6 $\times 3$	6 $\times 2$	6 $\times 1$	6 $\times 12$
6 $\times 11$	6 $\times 12$	6 $\times 1$	6 $\times 2$	6 $\times 3$	6 $\times 4$	6 $\times 5$	6 $\times 6$	6 $\times 7$	6 $\times 8$	6 $\times 9$	6 $\times 10$
6 $\times 10$	6 $\times 9$	6 $\times 8$	6 $\times 7$	6 $\times 6$	6 $\times 5$	6 $\times 4$	6 $\times 3$	6 $\times 2$	6 $\times 1$	6 $\times 12$	6 $\times 11$
6 $\times 10$	6 $\times 11$	6 $\times 12$	6 $\times 1$	6 $\times 2$	6 $\times 3$	6 $\times 4$	6 $\times 5$	6 $\times 6$	6 $\times 7$	6 $\times 8$	6 $\times 9$
6 $\times 1$	6 $\times 2$	6 $\times 3$	6 $\times 4$	6 $\times 5$	6 $\times 6$	6 $\times 7$	6 $\times 8$	6 $\times 9$	6 $\times 10$	6 $\times 11$	6 $\times 12$

TABLE 7

HOMEWORK

Find each product.

a. 7×7

b. 5×6

c. 6×4

d. 7×3

e. 6×8

f. 7×10

g. 6×5

h. 5×2

i. 5×8

j. 5×4

k. 5×1

l. 5×9

m. 7×4

n. 5×7

o. 6×6

p. 6×7

Put "> , = or <".

a. 5×5 6×6

c. 7×3 6×5

e. 5×8 7×4

g. 6×6 6×5

b. 5×7 5×8

d. $5 + 5$ 5×5

f. 7×5 5×3

h. 5×7 7×3

Use the chart. Choose yes or no.

a. Is 15 a multiple of 5?

Yes

No

b. Is 70 a multiple of 5?

Yes

No

c. Is 54 a multiple of 7?

Yes

No

d. Is 63 a multiple of 7?

Yes

No

e. Is 6 a multiple of 6?

Yes

No

f. Is 1 a multiple of 6?

Yes

No

TABLE 8

TABLE 9

9 × 1	9 × 2	9 × 3	9 × 4	9 × 5	9 × 6	9 × 7	9 × 8	9 × 9	9 × 10	9 × 11	9 × 12
1 × 9	2 × 9	3 × 9	4 × 9	5 × 9	6 × 9	7 × 9	8 × 9	9 × 9	10 × 9	11 × 9	12 × 9
9 × 2	9 × 4	9 × 6	9 × 8	9 × 10	9 × 12	9 × 11	9 × 9	9 × 7	9 × 5	9 × 3	9 × 1
9 × 1	9 × 7	9 × 2	9 × 8	9 × 3	9 × 9	9 × 4	9 × 10	9 × 5	9 × 11	9 × 6	9 × 12
9 × 12	9 × 11	9 × 10	9 × 9	9 × 8	9 × 7	9 × 6	9 × 5	9 × 4	9 × 3	9 × 2	9 × 1
9 × 12	9 × 1	9 × 2	9 × 3	9 × 4	9 × 5	9 × 6	9 × 7	9 × 8	9 × 9	9 × 10	9 × 11
9 × 11	9 × 10	9 × 9	9 × 8	9 × 7	9 × 6	9 × 5	9 × 4	9 × 3	9 × 2	9 × 1	9 × 12
9 × 11	9 × 12	9 × 1	9 × 2	9 × 3	9 × 4	9 × 5	9 × 6	9 × 7	9 × 8	9 × 9	9 × 10
9 × 10	9 × 9	9 × 8	9 × 7	9 × 6	9 × 5	9 × 4	9 × 3	9 × 2	9 × 1	9 × 12	9 × 11
9 × 10	9 × 11	9 × 12	9 × 1	9 × 2	9 × 3	9 × 4	9 × 5	9 × 6	9 × 7	9 × 8	9 × 9

TABLE 10

HOMEWORK

Find each product.

a. 8×7

b. 9×6

c. 10×4

d. 8×0

e. 9×5

f. 10×10

g. 8×2

h. 9×9

i. 10×6

j. 8×4

k. 9×1

l. 10×7

m. 8×1

n. 9×8

o. 8×3

p. 9×4

q. 8×8

r. 10×8

s. 8×10

t. 9×7

Put "> , = or <".

a. 9×5 8×6

b. 9×7 8×8

c. 10×3 9×5

d. $8 + 9$ 8×9

A box of spread cheese has 8 pieces.

What is the number of pieces in 9 boxes ?

The number of pieces in 9 boxes

= _____ = _____ pieces.



Wael bought ten books for 9 pounds each.

What is the price of all books ?

The price of all books = _____ = _____ pounds.



FACTORS OF A NUMBER

USING ARRAYS

Write each factor pair and the factors of each number.

a.

16

___ × ___	___ × ___
___ × ___	___ × ___
___ × ___	

Factors are _____

b.

12

___ × ___	___ × ___
___ × ___	___ × ___
___ × ___	___ × ___

Factors are _____

c.

18

___ × ___	___ × ___
___ × ___	___ × ___
___ × ___	___ × ___

Factors are _____

d.

20

___ × ___	___ × ___
___ × ___	___ × ___
___ × ___	___ × ___

Factors are _____

Complete using the given numbers. Use every number more than one time.

a.

1 2 7 14

___	×	___	= 14
___	×	___	= 14
___	×	___	= 14
___	×	___	= 14

b.

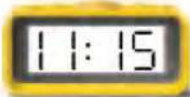
1 3 5 15

___	×	___	= 15
___	×	___	= 15
___	×	___	= 15
___	×	___	= 15

APPLICATIONS ON TIME

Draw the minute hand to show the time.

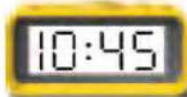
1.



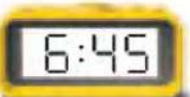
2.



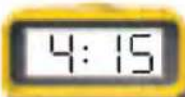
3.



4.



5.



6.



Look at the clock hands. Write the time.

1.



2.



3.



4.



5.

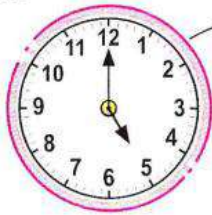


6.

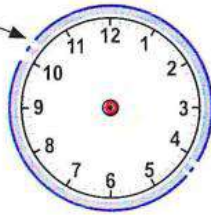


Draw the clock hands and write the time.

a.



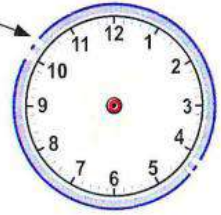
After
10 minutes


 :
 :

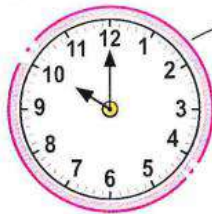
b.



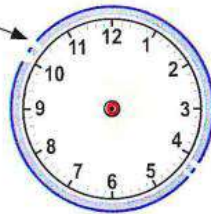
After
35 minutes


 :
 :

c.



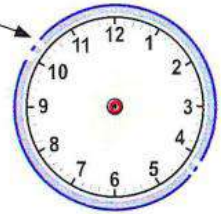
After
25 minutes


 :
 :

d.



After
50 minutes


 :
 :

HOMEWORK

8.


 :

9.


 :

10.


 :

11.


 :

12.


 :

13.


 :

Look at the clock hands. Write the time.

7.



8.



9.



10.



11.

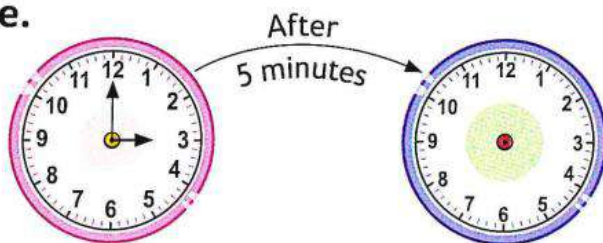


12.

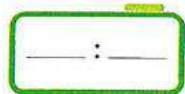


Draw the clock hands and write the time.

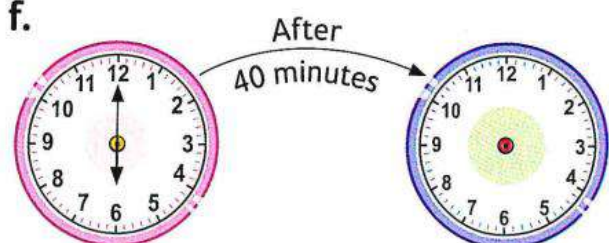
e.



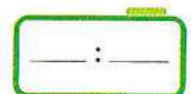
It is _____



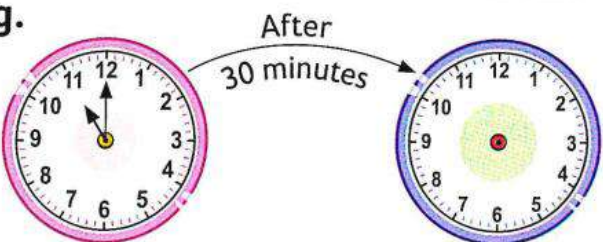
f.



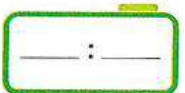
It is _____



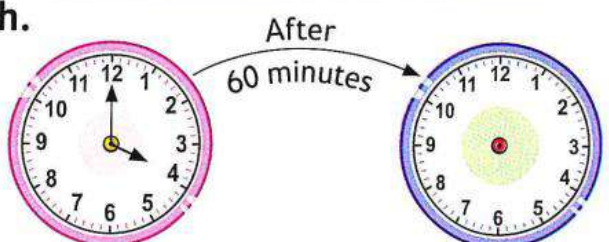
g.



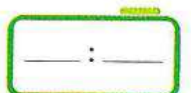
It is _____



h.



It is _____



Write each factor pair and the factors of each number.

8

___ × ___	___ × ___
___ × ___	___ × ___

Factors are _____

14

___ × ___	___ × ___
___ × ___	___ × ___

Factors are _____

Complete using the given numbers. Use every number more than one time.

a.

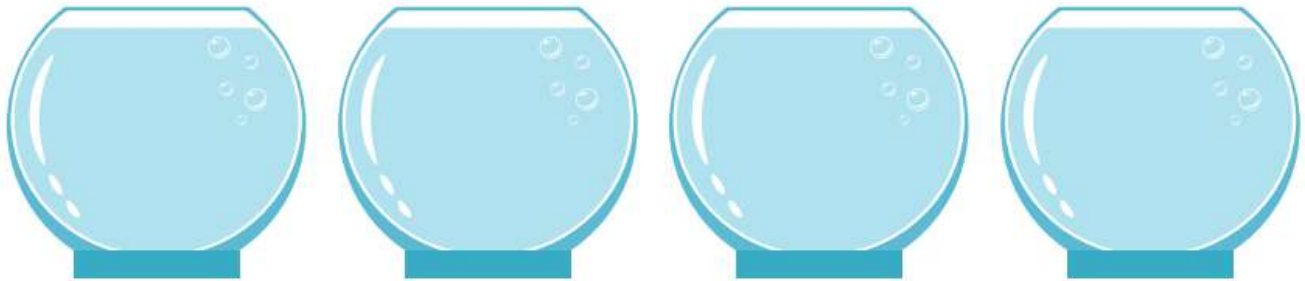
3	7	1	21
___	×	___	= 21
___	×	___	= 21
___	×	___	= 21
___	×	___	= 21

b.

1	4	8	16	2
___	×	___	= 16	
___	×	___	= 16	
___	×	___	= 16	
___	×	___	= 16	
___	×	___	= 16	

APPLICATIONS ON DIVISION

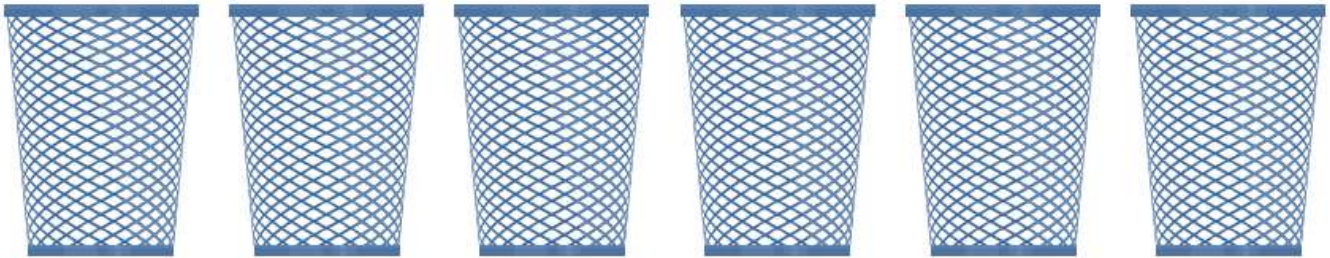
1. There are 16 fish that need to be placed in 4 bowls. Each bowl must hold the same number of fish. How many fish should be put into each bowl? Draw a picture in the bowls below to solve the problem.



2. Sameh is preparing gift baskets. He has 20 oranges that need to be divided equally between 5 baskets. Draw a picture in the baskets below to solve the problem.



3. The teacher has 36 crayons to share equally between 6 students. She must place the crayons in the cups below. Draw a picture in the cups below to solve the problem.



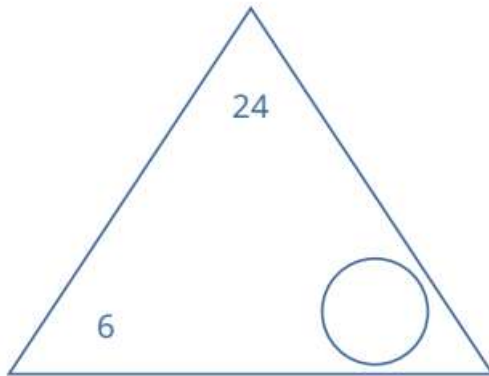
Directions: Draw a mathematical picture to solve.

Each cat needs 2 fish for lunch. How many cats can we feed with 12 fish?



THE RELATION BETWEEN MULTIPLICATION AND DIVISION

Directions: Find the missing factor in the triangles below. Then write the four equations that go with the fact family. Use the counters to help you.

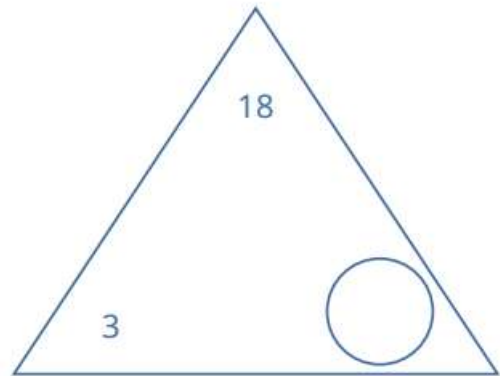


$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

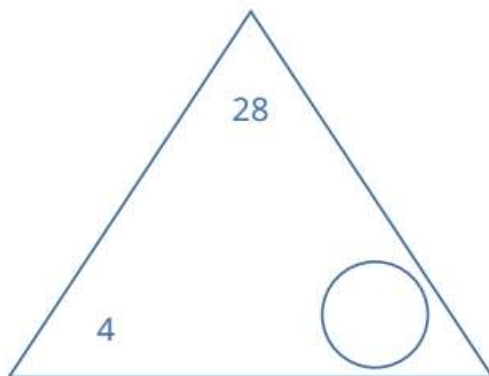


$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

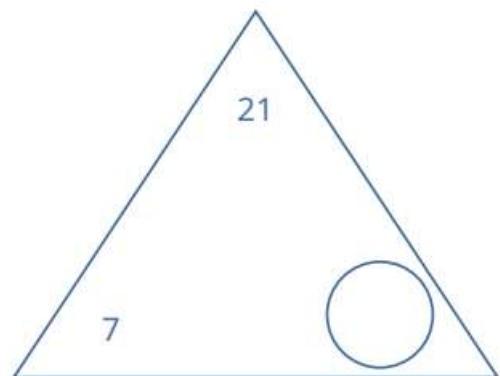


$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$



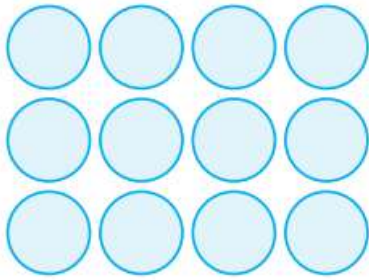
$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

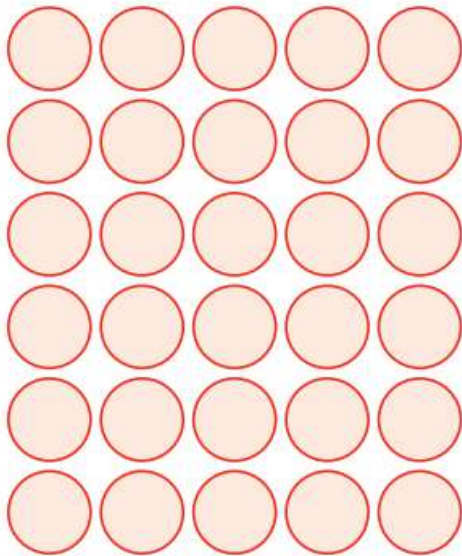
$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

CHALLENGE: Describe each of these arrays using one multiplication equation and one division equation.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

Find the result.

a. $8 \div 2 = \underline{\quad}$

b. $12 \div 6 = \underline{\quad}$

c. $15 \div 3 = \underline{\quad}$

d. $16 \div 4 = \underline{\quad}$

e. $40 \div 5 = \underline{\quad}$

f. $20 \div 2 = \underline{\quad}$

g. $40 \div 10 = \underline{\quad}$

h. $21 \div 7 = \underline{\quad}$

i. $24 \div 4 = \underline{\quad}$

HOMEWORK

Find the result.

j. $42 \div 6 = \underline{\hspace{2cm}}$

k. $12 \div 3 = \underline{\hspace{2cm}}$

l. $8 \div 1 = \underline{\hspace{2cm}}$

m. $72 \div 8 = \underline{\hspace{2cm}}$

n. $56 \div 7 = \underline{\hspace{2cm}}$

o. $10 \div 10 = \underline{\hspace{2cm}}$

p. $49 \div 7 = \underline{\hspace{2cm}}$

q. $35 \div 5 = \underline{\hspace{2cm}}$

r. $36 \div 6 = \underline{\hspace{2cm}}$

s. $5 \div 5 = \underline{\hspace{2cm}}$

t. $50 \div 5 = \underline{\hspace{2cm}}$

u. $36 \div 9 = \underline{\hspace{2cm}}$

v. $4 \div 1 = \underline{\hspace{2cm}}$

w. $24 \div 6 = \underline{\hspace{2cm}}$

x. $27 \div 3 = \underline{\hspace{2cm}}$

Choose the correct answer.

a. $24 \div 3 = \underline{\hspace{2cm}}$

(5 or 6 or 7 or 8)

b. $45 \div 5 = \underline{\hspace{2cm}}$

(6 or 7 or 8 or 9)

c. $36 \div 4 = \underline{\hspace{2cm}}$

(9 or 8 or 7 or 6)

d. $70 \div 7 = \underline{\hspace{2cm}}$

(4 or 6 or 8 or 10)

Put the suitable sign "> , = or <".

a. $32 \div 8$



$8 \div 2$

b. $27 \div 3$



$3 + 3 + 3 + 3$

c. $54 \div 6$



0×9

d. 6×1



$6 \div 1$

Put (✓) to the correct statement or (X) to the incorrect statement.

a. $15 \div 3 = 5$

()

b. $28 \div 4 = 6$

()

c. $7 \div 7 = 7$

()

d. $8 \div 1 = 8$

()

Find the missing number.

a. $\square \div 3 = 4$

b. $\square \div 6 = 5$

c. $\square \div 5 = 3$

d. $7 \times \square = 28$

e. $\square \times 8 = 64$

f. $2 \times \square = 18$

g. $30 \div \square = 6$

h. $56 \div \square = 8$

i. $9 \div \square = 1$

Write the fact family for each set of numbers. The first one is done for you.

a.

$\square \times \square = \square$	
$\square \times \square = \square$	
$\square \div \square = \square$	
$\square \div \square = \square$	

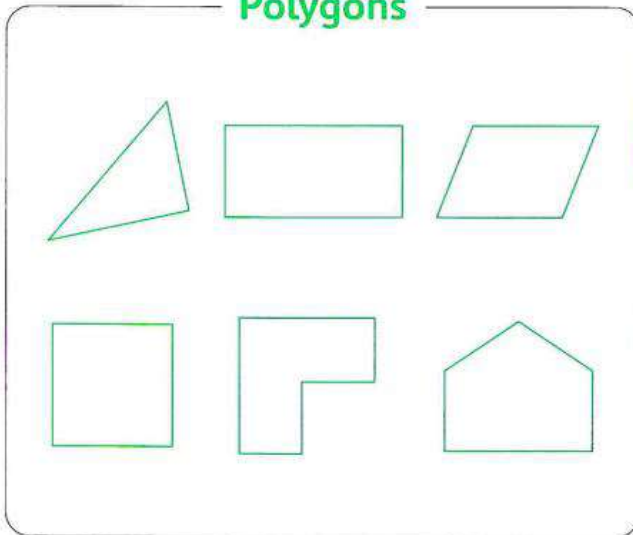
b.

$\square \times \square = \square$	
$\square \times \square = \square$	
$\square \div \square = \square$	
$\square \div \square = \square$	

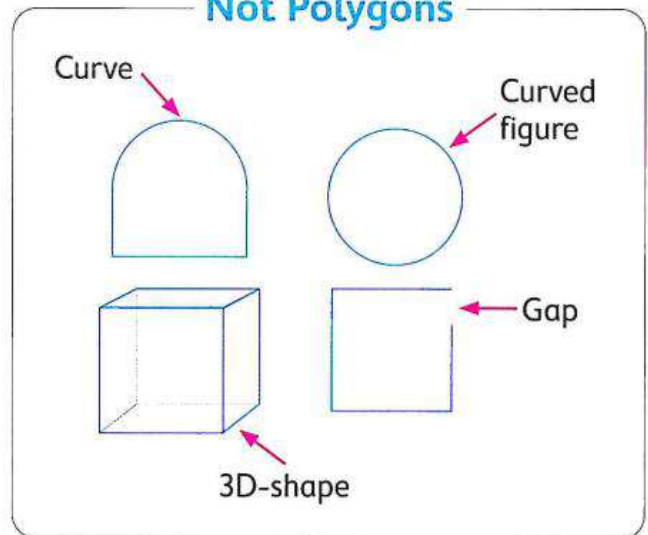
Chapter Four

1 POLYGONS

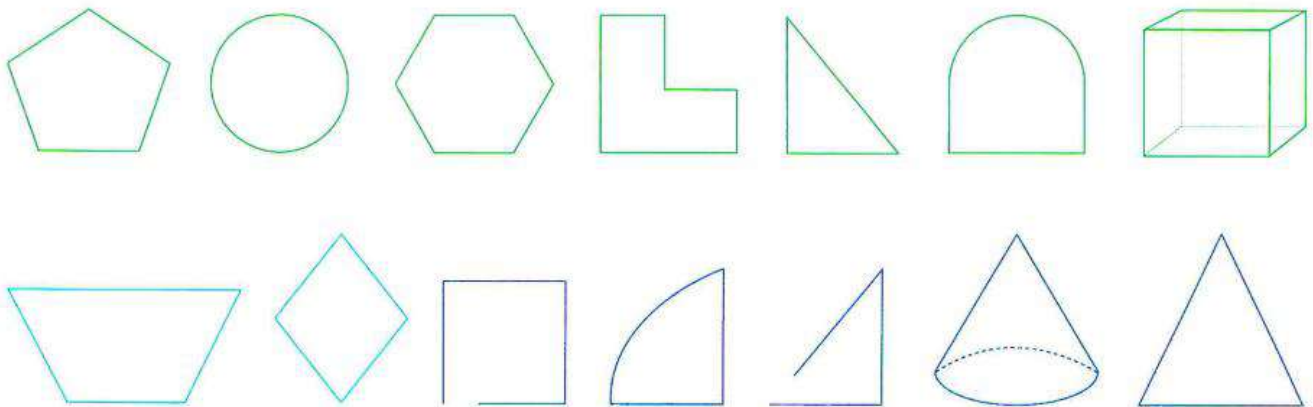
Polygons

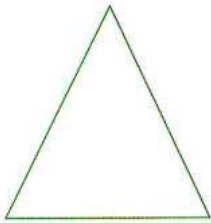


Not Polygons

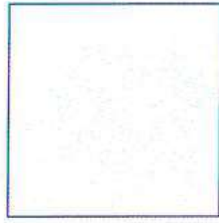


Are the following figures polygons ? Circle the polygons.
Explain why or why not.



Identify the attributes of two-dimensional shapes**Triangle**

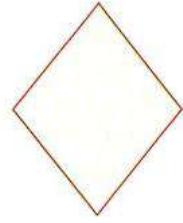
3 sides
3 vertices

Square

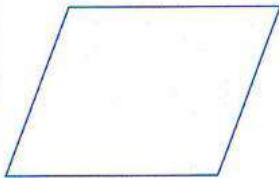
4 sides
4 vertices

Rectangle

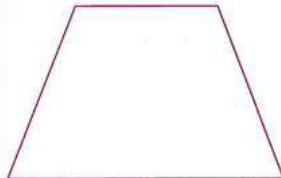
4 sides
4 vertices

Rhombus

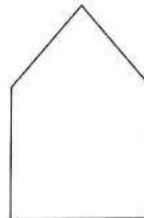
4 sides
4 vertices

Parallelogram

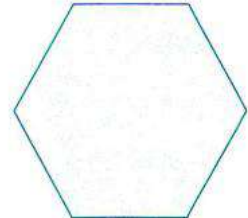
4 sides
4 vertices

Trapezium

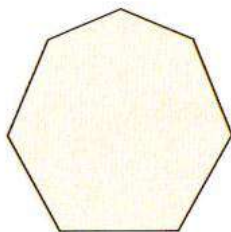
4 sides
4 vertices

Pentagon

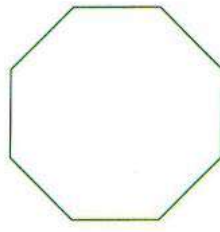
5 sides
5 vertices

Hexagon

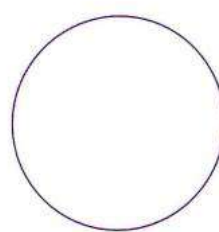
6 sides
6 vertices

Heptagon

7 sides
7 vertices

Octagon

8 sides
8 vertices

Circle

0 sides
0 vertices

Note

The number
of sides
= The number
of vertices

Identify each 2D shape, and write the number of sides and vertices.

a.

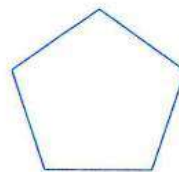


Sides

Vertices

Name : _____

b.

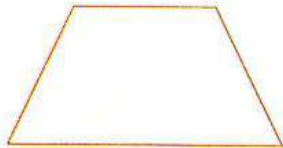


Sides

Vertices

Name : _____

c.



Sides

Vertices

Name : _____

d.

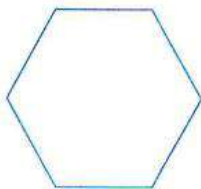


Sides

Vertices

Name : _____

e.

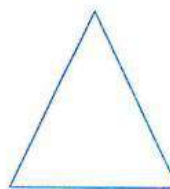


Sides

Vertices

Name : _____

f.

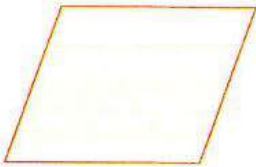


Sides

Vertices

Name : _____

g.

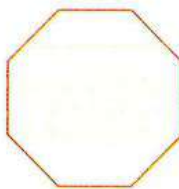


Sides

Vertices

Name : _____

h.

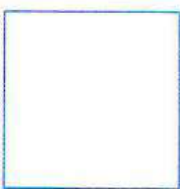


Sides

Vertices

Name : _____

i.

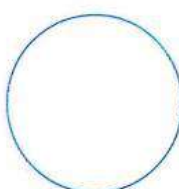


Sides

Vertices

Name : _____

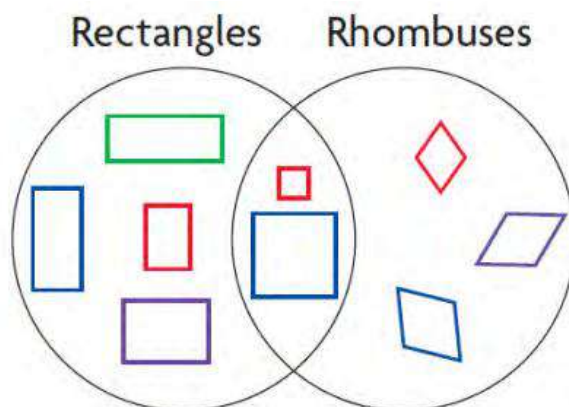
j.



Sides

Vertices

Name : _____



PROPERTIES OF QUADRILATERALS

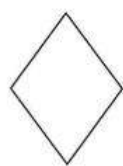
Parallelogram 2 pairs of parallel sides 2 pairs of equal sides 4 vertices	Rectangle 2 pairs of parallel sides 2 pairs of equal sides 4 similar vertices	Rhombus 2 pairs of parallel sides 4 equal sides 4 vertices	Square 2 pairs of parallel sides 4 equal sides 4 similar vertices	Trapezium - exactly 1 pair of parallel sides - lengths of sides may not be the same 4 vertices
---	---	--	---	--

Write a name for each quadrilateral.

a.



b.



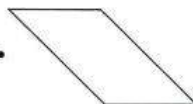
c.



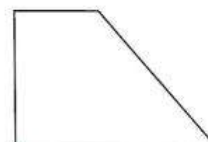
d.



e.



f.



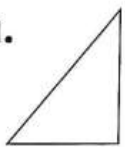
Choose the correct answer.

- a. The quadrilateral has _____ vertices. (1 or 2 or 3 or 4)
- b. The parallelogram has _____ pairs of equal sides. (1 or 2 or 3 or 4)
- c. The square has _____ equal sides. (1 or 2 or 3 or 4)
- d. The rectangle has _____ similar vertices. (1 or 2 or 3 or 4)
- e. The trapezium has exactly _____ pair of parallel sides. (1 or 2 or 3 or 4)
- f. The rhombus has _____ vertices. (1 or 2 or 3 or 4)

HOMEWORK

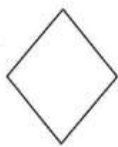
Put (✓) if the shape is a polygon , and put (X) if it is not polygon.

a.



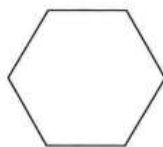
()

b.



()

c.



()

d.



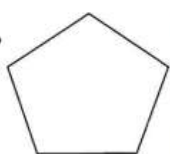
()

e.



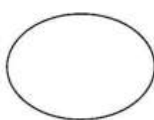
()

f.



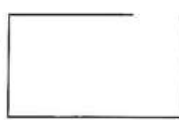
()

g.



()

h.



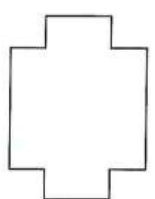
()

i.



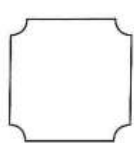
()

j.



()

k.



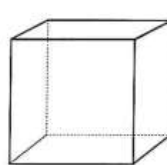
()

l.



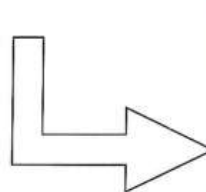
()

m.



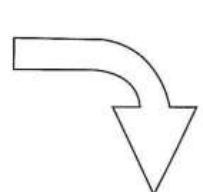
()

n.



()

o.



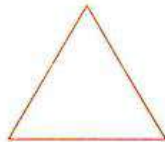
()

Write the name of each figure.

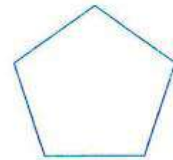
a.



b.



c.



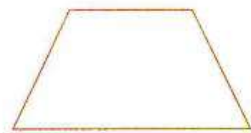
d.



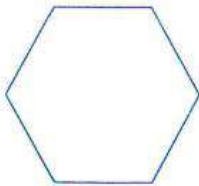
e.



f.



g.



h.



i.



Complete.

a. The triangle has _____ sides and _____ vertices.

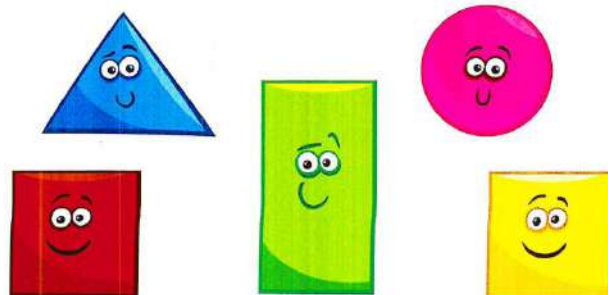
b. The polygon which has _____ vertices is called octagon.

c. The pentagon has _____ vertices and _____ sides.

d. The polygon which has _____ sides is called heptagon.

e. The _____ has 6 sides.

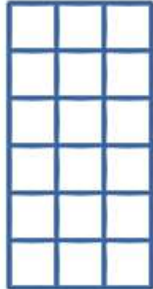
f. The _____ has 7 vertices.



2 THE AREA

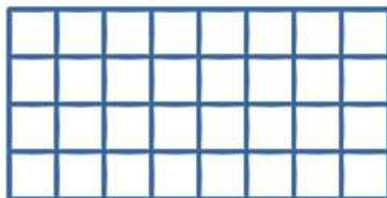
Directions: Determine the area of each rectangle.

Rectangle #1:



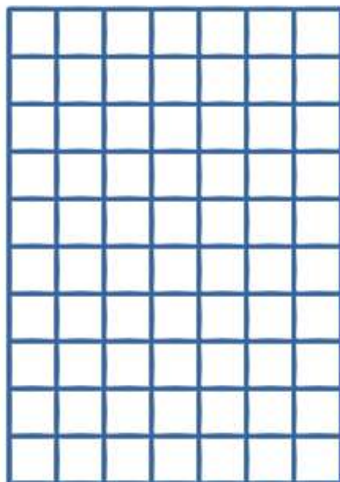
Total area = _____ square units

Rectangle #2:



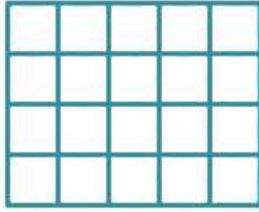
Total area = _____ square units

Rectangle #3:



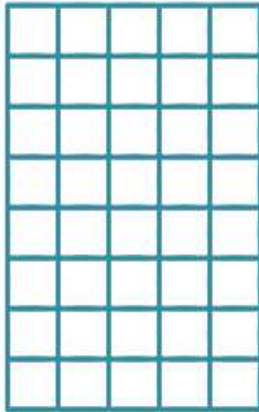
Total area = _____ square units

Rectangle #4:



Total area = _____ square units

Rectangle #5:



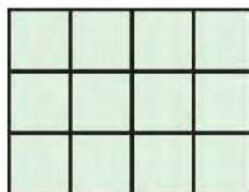
Total area = _____ square units

Rectangle #6:



Total area = _____ square units

1. Look at the figure.



____ rows of ____ = 

Add. ____ + ____ + ____ = ____

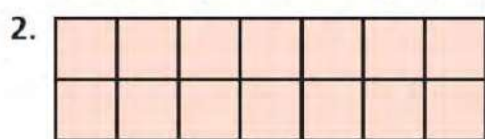
Multiply. ____ $\times$ ____ = ____

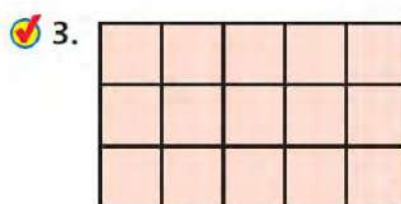
What is the area of the figure?

____ square units

Find the area of the figure.

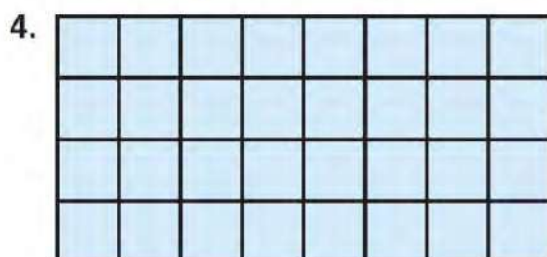
Each unit square is 1 square foot.

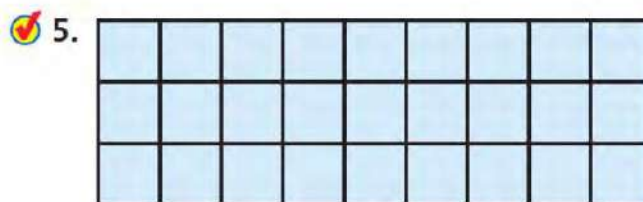




Find the area of the figure.

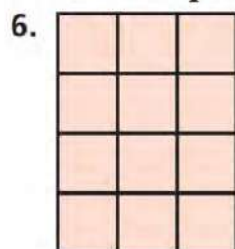
Each unit square is 1 square meter.

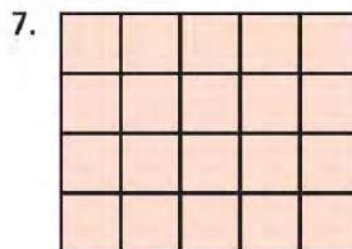




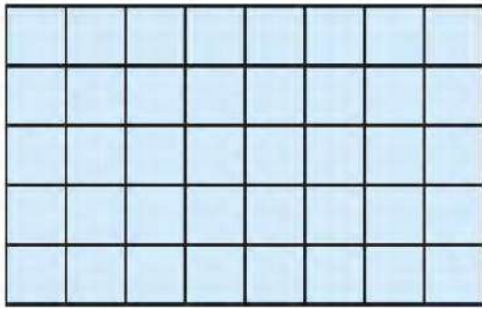
Find the area of the figure.

Each unit square is 1 square foot.

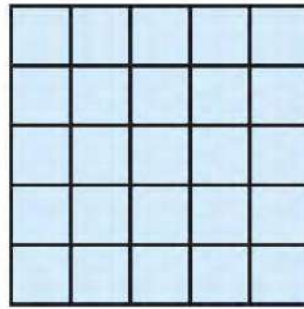




8.

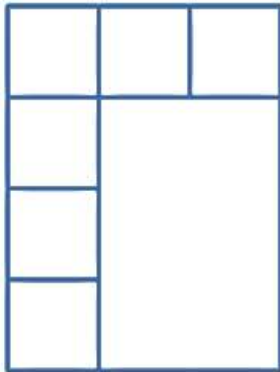


9.



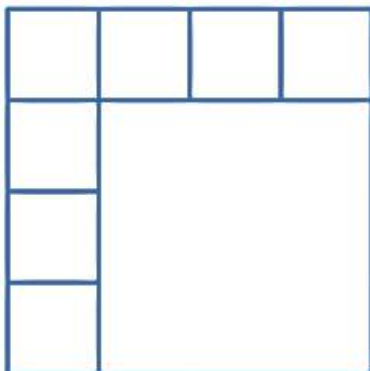
Directions: Determine the total area of each shape.

Rectangle #1:



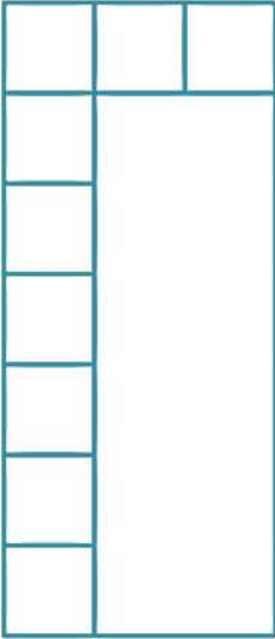
Total area = _____ square units

Rectangle #2:



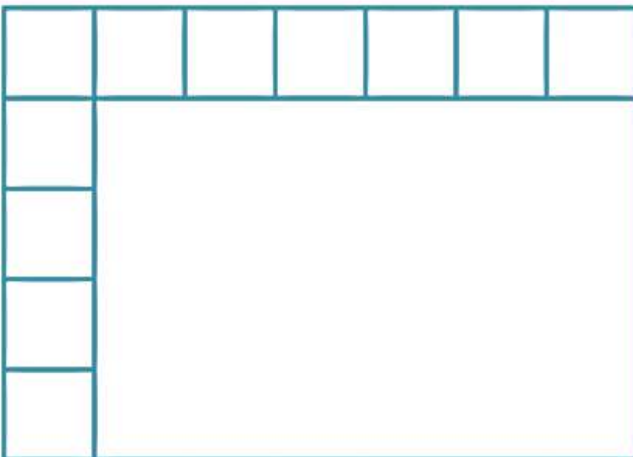
Total area = _____ square units

Rectangle #4:



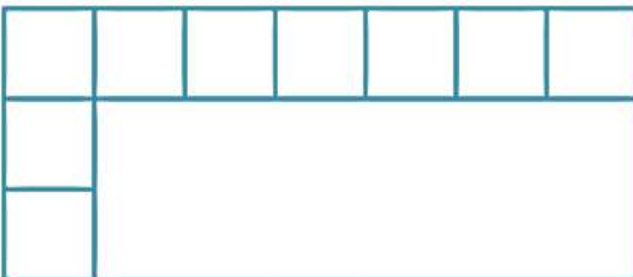
Total area = _____ square units

Rectangle #5:



Total area = _____ square units

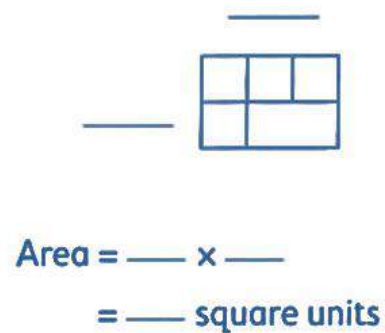
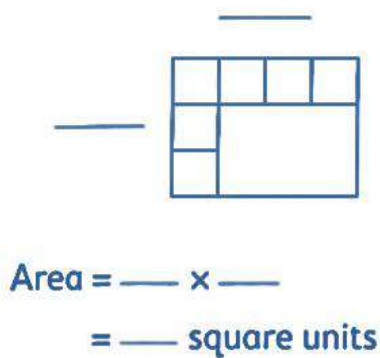
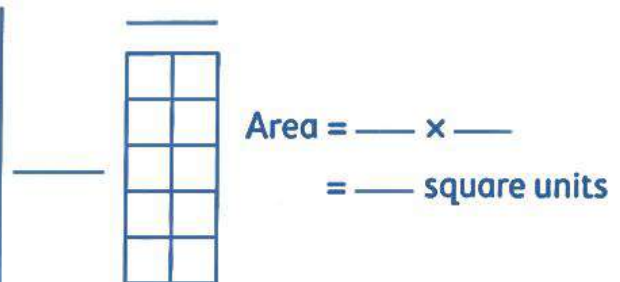
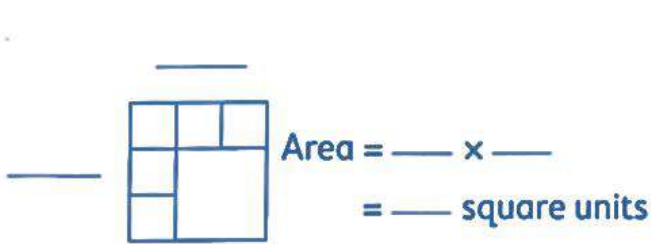
Rectangle #6:



Total area = _____ square units

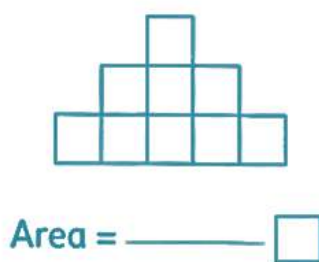
HOMEWORK

Calculate the total area of each figure.

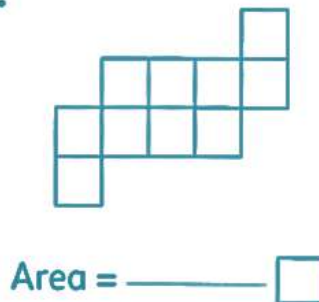


Calculate the area of each of the following.

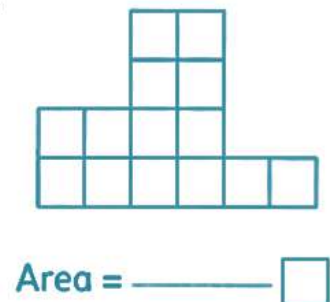
a.



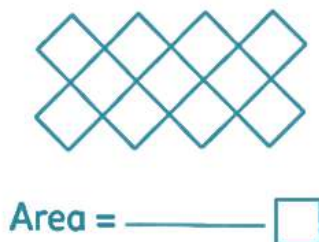
b.



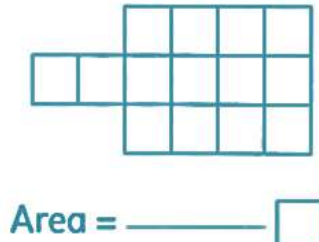
c.



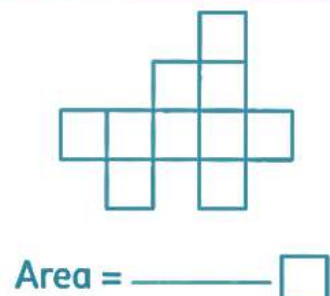
d.



e.

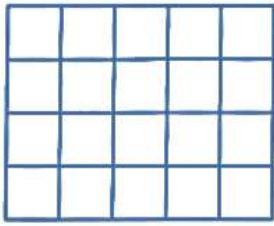


f.



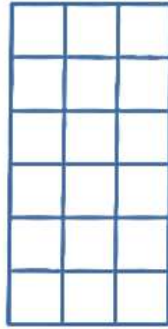
Calculate the area of each figure.

a.



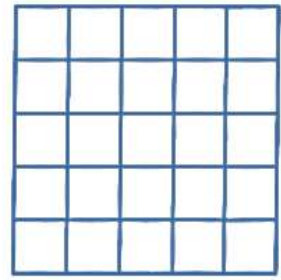
Area = _____

b.



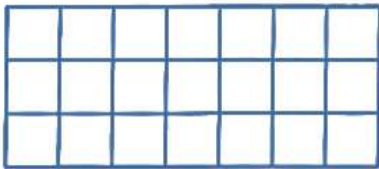
Area = _____

c.



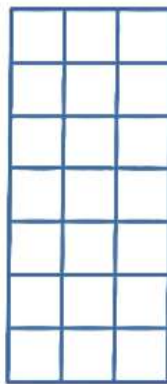
Area = _____

d.



Area = _____

e.



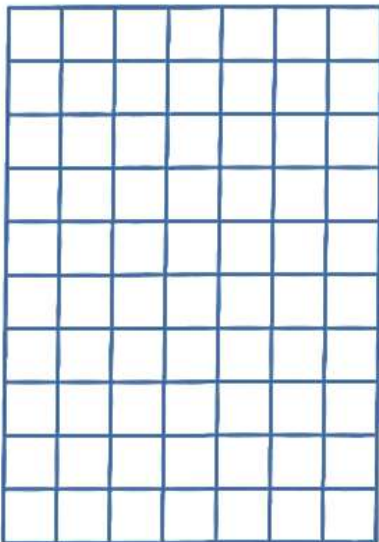
Area = _____

f.



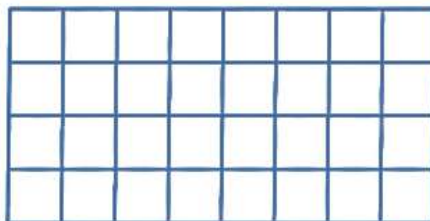
Area = _____

g.



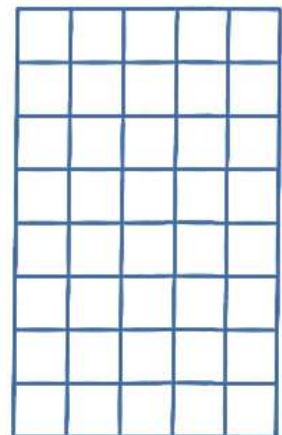
Area = _____

h.



Area = _____

i.

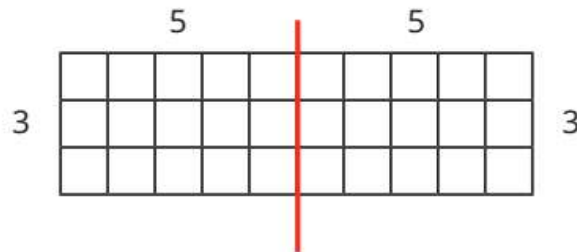


Area = _____

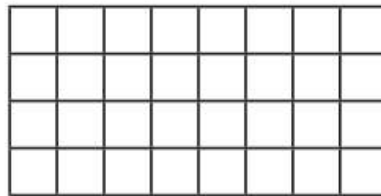
3 DISTRIBUTION PROPERTY

Directions: Split the arrays below into at least 2 smaller arrays. Label the factors for each part. An example is shown below.

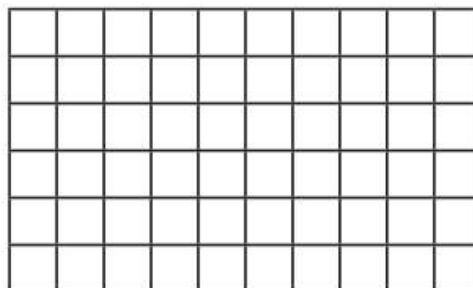
Example



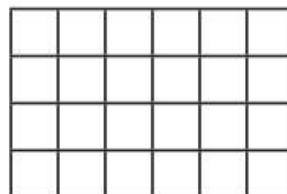
Problem #1



Problem #2

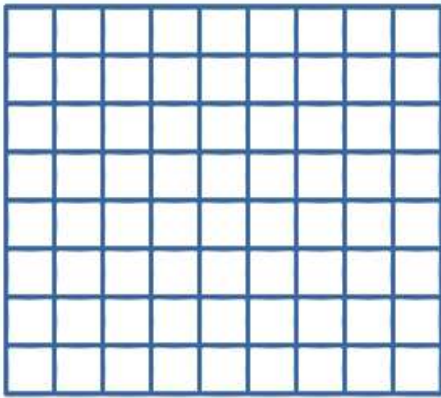


Problem #3



Directions: Break apart the arrays and, using the distributive property, write an equation to show your work.

1.



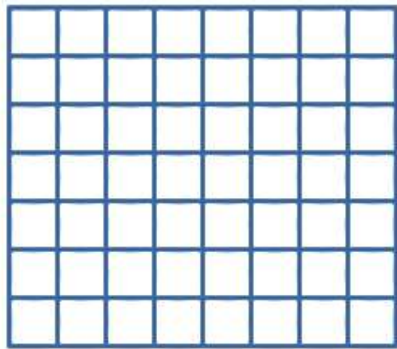
$$\underline{\quad} \times \underline{\quad} = \square$$

$$\underline{\quad} \times \underline{\quad} = \square$$

$$\square + \square = \bigcirc$$

$$8 \times 9 = \underline{\quad}$$

2.



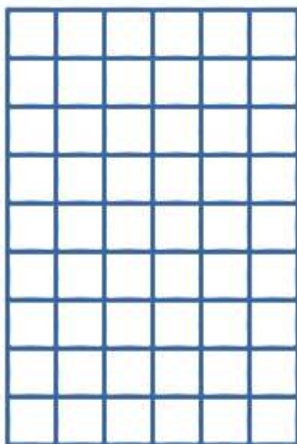
$$\underline{\quad} \times \underline{\quad} = \square$$

$$\underline{\quad} \times \underline{\quad} = \square$$

$$\square + \square = \bigcirc$$

$$7 \times 8 = \underline{\quad}$$

3.



$$\underline{\quad} \times \underline{\quad} = \square$$

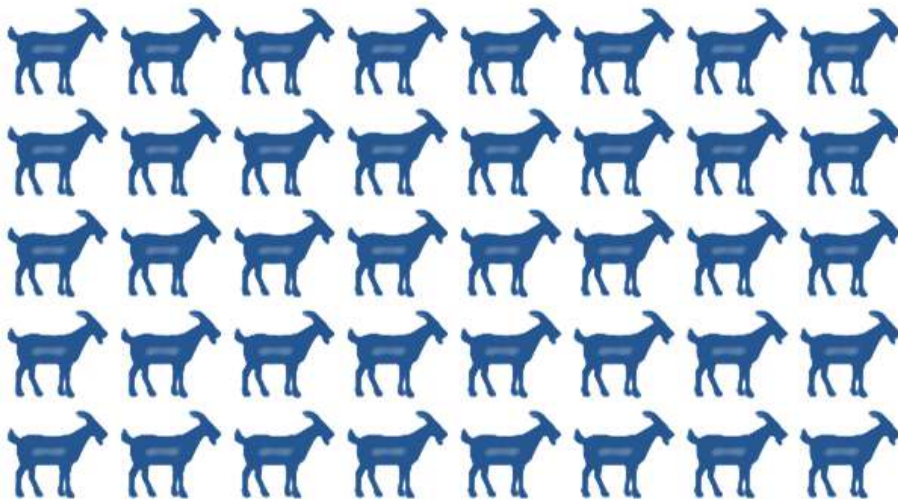
$$\underline{\quad} \times \underline{\quad} = \square$$

$$\square + \square = \bigcirc$$

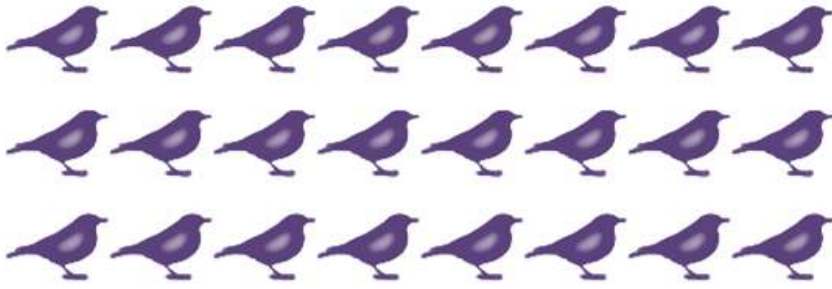
$$9 \times 6 = \underline{\quad}$$



Equations:



Equations:



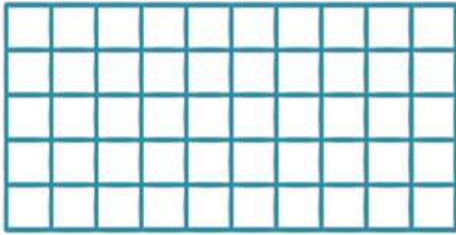
Equations:



Equations:

HOMEWORK

4.



$$\underline{\quad} \times \underline{\quad} = \square$$

$$\underline{\quad} \times \underline{\quad} = \square$$

$$\square + \square = \bigcirc$$

$$5 \times 10 = \underline{\quad}$$

5.



$$\underline{\quad} \times \underline{\quad} = \square$$

$$\underline{\quad} \times \underline{\quad} = \square$$

$$\square + \square = \bigcirc$$

$$8 \times 2 = \underline{\quad}$$

Directions: Break up the following arrays in as many different ways as possible. Use different colors to keep track of your different arrays. Then select the one that is most helpful to you as a mathematician and write the equations that match it in the box.

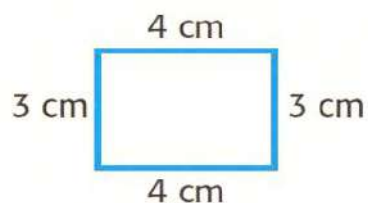


Equations:

Chapter Five

I PERIMETER

The perimeter of a polygon is the sum of the side lengths.



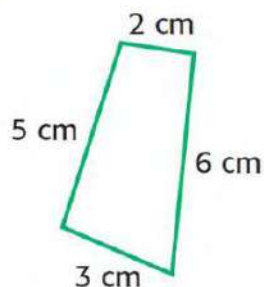
$$\begin{aligned}\text{Perimeter} &= 3 \text{ cm} + 4 \text{ cm} + 3 \text{ cm} + 4 \text{ cm} \\ &= 14 \text{ cm}\end{aligned}$$

Find the perimeter of each figure:

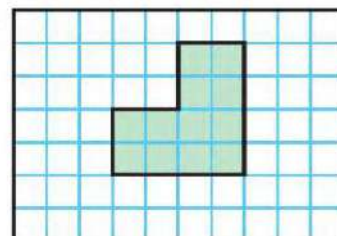
1.



2.



3.

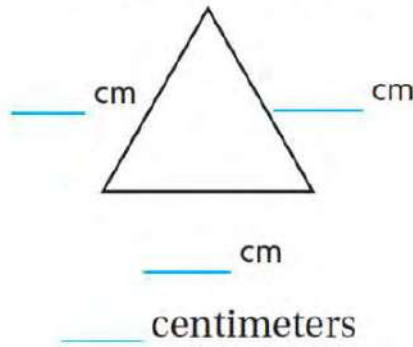


(1)

(2)

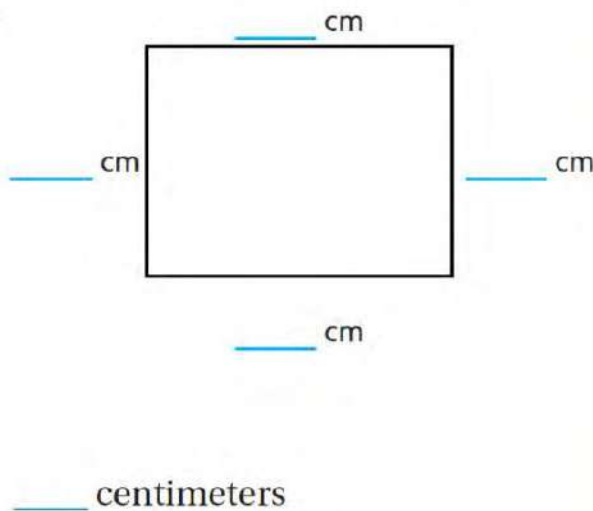
(3)

Using your ruler, find the perimeter of each figure:

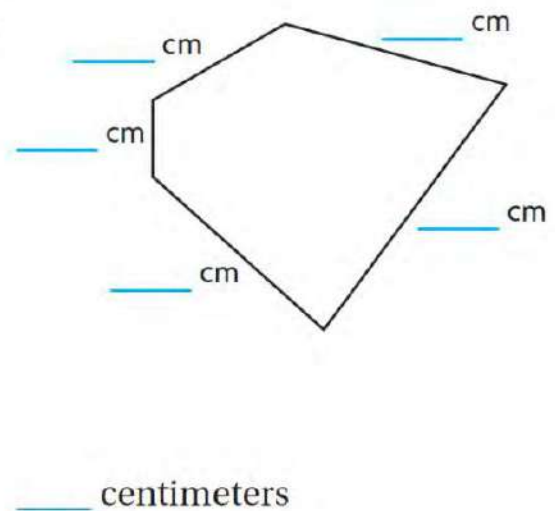


Think: How long is each side?

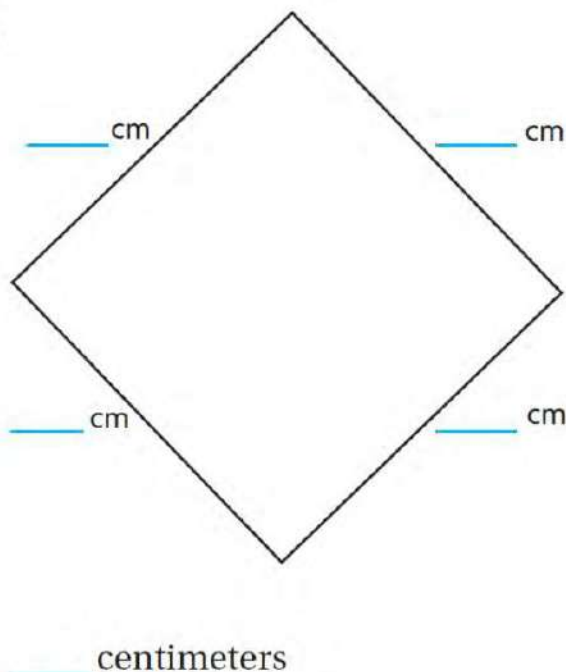
2.



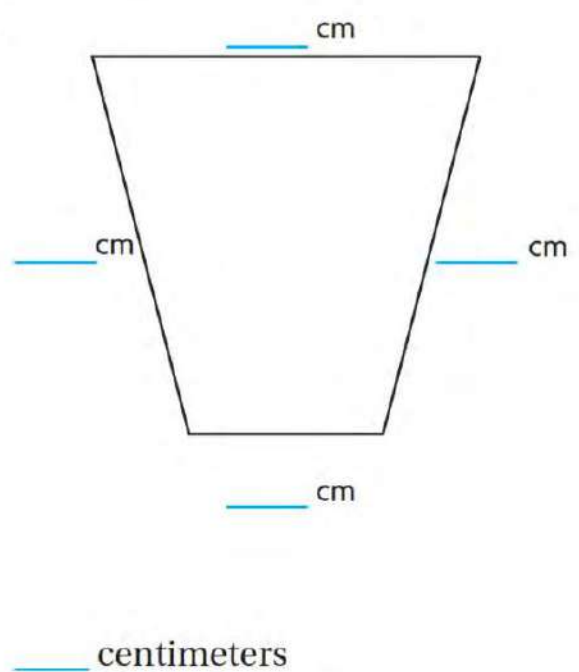
3.



4.



5.



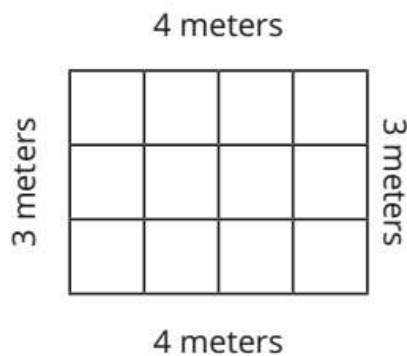
Directions: Work with your Shoulder Partner to solve the perimeter and area problems below. Your teacher will give you additional directions.

Goat Pen



Perimeter = _____ meters Area = _____ square meters

Work Space

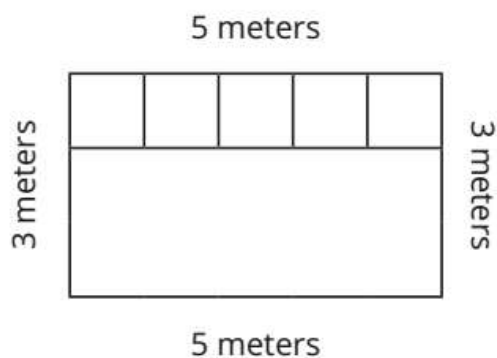


Chicken Pen



Perimeter = _____ meters Area = _____ square meters

Work Space

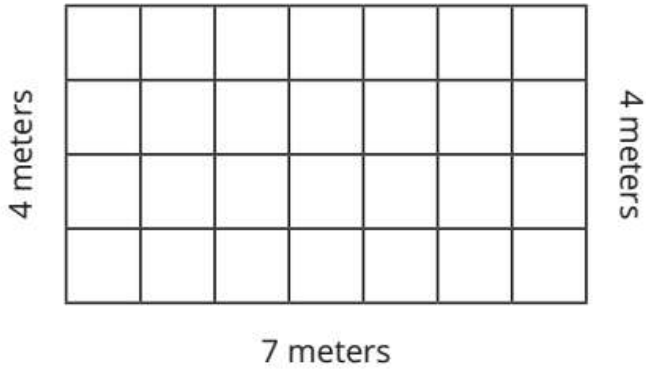


A New Goat Pen



7 meters

Work Space



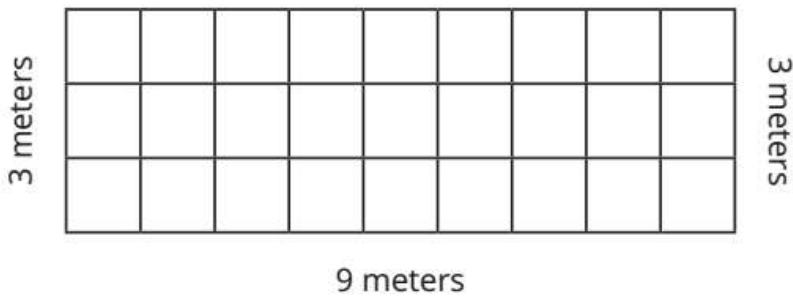
Perimeter = _____ meters Area = _____ square meters

Cattle Pen



9 meters

Work Space

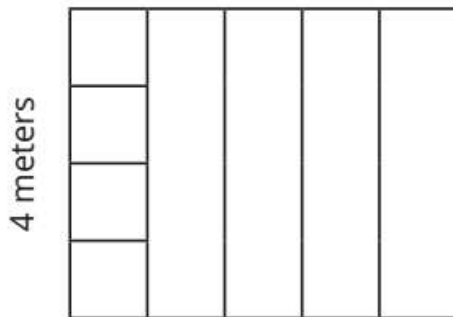


Perimeter = _____ meters Area = _____ square meters



Duck Pen

5 meters

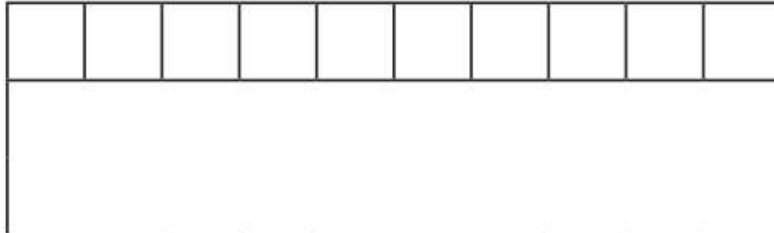
**Work Space**

Perimeter = _____ meters Area = _____ square meters

Sheep Pen

10 meters

3 meters



3 meters

10 meters

Work Space

Perimeter = _____ meters Area = _____ square meters



Part 1 Directions: Solve the story problems below. Include a drawing and an equation for each problem. Be sure to label your answers.

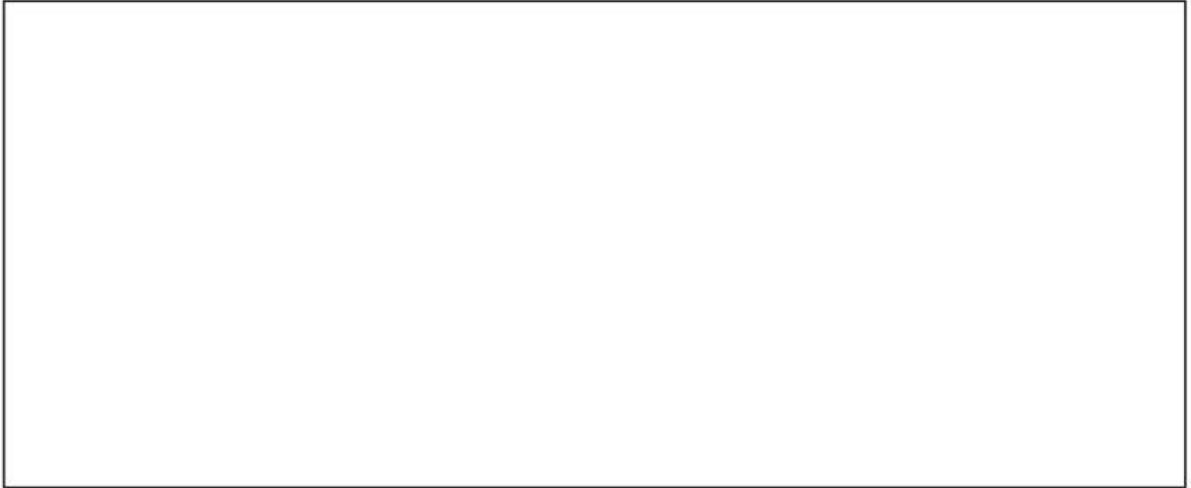
1. Shaimaa is sewing a border on a square baby blanket. The length of the blanket is 45 centimeters and the width is 45 centimeters. How long will the border be?



2. Farouk is building a patio out of tiles. He wants the length of the patio to be 7 tiles across and its width to be 6 tiles. How many tiles will he use in all to build the patio?



3. Omnia wants to put a wooden trim around her window. The window is 4 meters tall and 1 meter wide. How much wood does she need for the trim?



4. A farmer is building a fence around his garden. If the garden is 8 meters long and 3 meters wide, how much fencing does he need to buy?



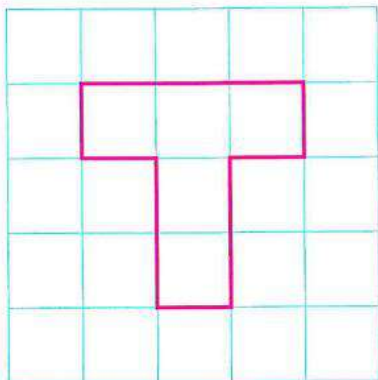
5. A rug is 3 meters long and 2 meters wide. What is the area of the rug?



HOMEWORK

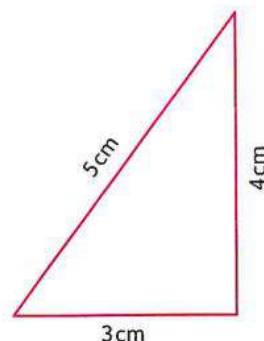
Find the perimeter of each figure.

a.



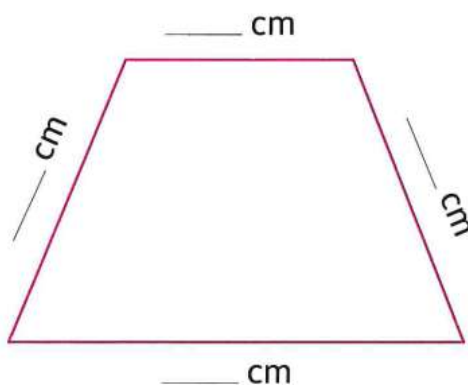
Perimeter = ____ units.

b.



Perimeter = ____ + ____ + ____ = ____ cm

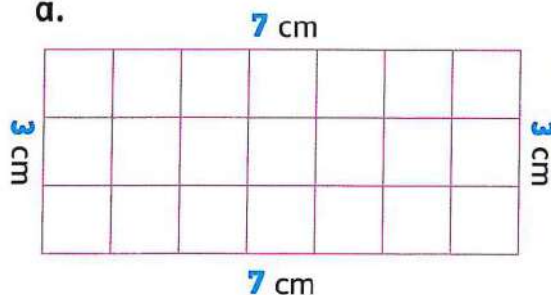
Measure each side. Add to find the perimeter.



Perimeter = ____ + ____ + ____ + ____ = ____ cm

Find the perimeter and the area of each of the following figures.

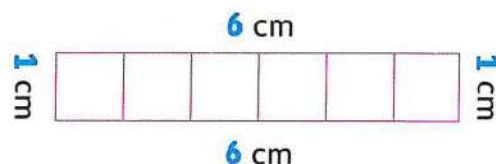
a.



Perimeter = ____ cm

Area = ____ square centimeters

b.

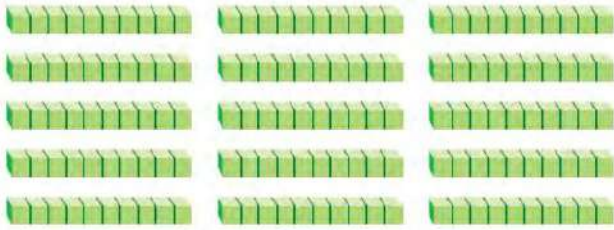


Perimeter = ____ cm

Area = ____ square centimeters

3 MULTIPLICATION STRATEGIES

MODEL



THINK

$$5 \times 30 = 5 \times \underline{\quad} \text{ tens}$$

$$= \underline{\quad} \text{ tens} = \underline{\quad}$$

So, $5 \times 30 = \underline{\quad}$.

Use the place value to find the product:

- (1) $5 \times 70 = 5 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (2) $4 \times 60 = 4 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (3) $2 \times 80 = 2 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (4) $5 \times 60 = 5 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (5) $3 \times 40 = 3 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (6) $3 \times 70 = 3 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (7) $8 \times 40 = 8 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (8) $6 \times 90 = 6 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (9) $9 \times 10 = 9 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (10) $8 \times 20 = 8 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (11) $7 \times 40 = 7 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (12) $3 \times 50 = 3 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (13) $4 \times 40 = 4 \times \dots \text{ tens} = \dots \text{ tens} = \dots$
- (14) $2 \times 300 = 2 \times \dots \text{ hundreds} = \dots \text{ hundreds} = \dots$
- (15) $3 \times 400 = 3 \times \dots \text{ hundreds} = \dots \text{ hundreds} = \dots$

Complete the following. Solve the problems as the example.

Example :

$$2 \times 40$$

$$= (2 \times 4) \times 10 = 8 \times 10 = 80$$

a. 4×50

$$= (\quad \times \quad) \times 10 = \quad \times \quad = \quad$$

b. 8×20

$$= (\quad \times \quad) \times 10 = \quad \times \quad = \quad$$

c. 7×70

$$= (\quad \times \quad) \times 10 = \quad \times \quad = \quad$$

d. 9×90

$$= (\quad \times \quad) \times 10 = \quad \times \quad = \quad$$

e. 3×60

$$= (\quad \times \quad) \times 10 = \quad \times \quad = \quad$$

f. 4×90

$$= (\quad \times \quad) \times 10 = \quad \times \quad = \quad$$

g. 6×20

$$= (\quad \times \quad) \times 10 = \quad \times \quad = \quad$$

h. 7×40

$$= (\quad \times \quad) \times 10 = \quad \times \quad = \quad$$

Complete the following.

a.

$$3 \times 10 \quad \underline{\hspace{2cm}}$$

$$3 \times 100 \quad \underline{\hspace{2cm}}$$

$$3 \times 1000 \quad \underline{\hspace{2cm}}$$

b.

$$2 \times 3 \quad \underline{\hspace{2cm}}$$

$$2 \times 30 \quad \underline{\hspace{2cm}}$$

$$2 \times 300 \quad \underline{\hspace{2cm}}$$

$$2 \times 3,000 \quad \underline{\hspace{2cm}}$$

c.

$$4 \times 6 \quad \underline{\hspace{2cm}}$$

$$4 \times 60 \quad \underline{\hspace{2cm}}$$

$$4 \times 600 \quad \underline{\hspace{2cm}}$$

$$4 \times 6,000 \quad \underline{\hspace{2cm}}$$

HOMEWORK

Solve the following problems using any strategy.

a. $3 \times 50 = \underline{\hspace{2cm}}$

b. $2 \times 60 = \underline{\hspace{2cm}}$

c. $8 \times 40 = \underline{\hspace{2cm}}$

d. $5 \times 20 = \underline{\hspace{2cm}}$

e. $8 \times 20 = \underline{\hspace{2cm}}$

f. $3 \times 70 = \underline{\hspace{2cm}}$

g. $6 \times 90 = \underline{\hspace{2cm}}$

h. $7 \times 40 = \underline{\hspace{2cm}}$

i. $4 \times 40 = \underline{\hspace{2cm}}$

j. $80 \times 9 = \underline{\hspace{2cm}}$

k. $60 \times 3 = \underline{\hspace{2cm}}$

l. $70 \times 8 = \underline{\hspace{2cm}}$

Complete the following.

a.

$$\begin{array}{ll} 7 \times 4 & \underline{\hspace{2cm}} \\ 7 \times 40 & \underline{\hspace{2cm}} \\ 7 \times 400 & \underline{\hspace{2cm}} \\ 7 \times 4,000 & \underline{\hspace{2cm}} \end{array}$$

b.

$$\begin{array}{ll} 5 \times 6 & \underline{\hspace{2cm}} \\ 5 \times 60 & \underline{\hspace{2cm}} \\ 5 \times 600 & \underline{\hspace{2cm}} \\ 5 \times 6,000 & \underline{\hspace{2cm}} \end{array}$$

c.

$$\begin{array}{ll} 5 \times 7 & \underline{\hspace{2cm}} \\ 5 \times 70 & \underline{\hspace{2cm}} \\ 5 \times 700 & \underline{\hspace{2cm}} \\ 5 \times 7,000 & \underline{\hspace{2cm}} \end{array}$$

Solve the problems below. Split the multiples of 10 into 10 and the other factor. For example, 40 has the factors 10 and 4.

Example : 8×40 $(8 \times 4) \times 10 = 320$

a. 3×90 $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times 10 = \underline{\hspace{2cm}}$

b. 4×80 $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times 10 = \underline{\hspace{2cm}}$

c. 9×20 $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times 10 = \underline{\hspace{2cm}}$

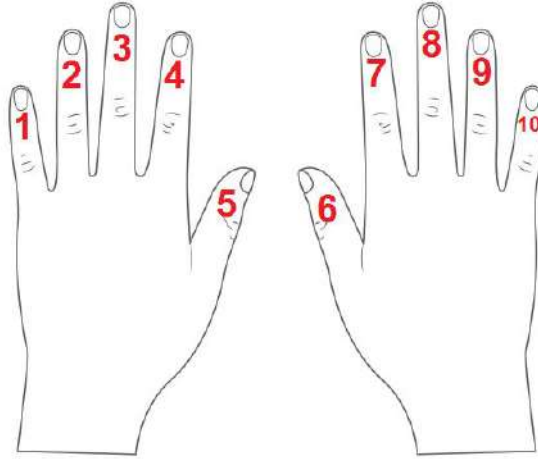
d. 6×30 $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times 10 = \underline{\hspace{2cm}}$

e. 8×50 $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times 10 = \underline{\hspace{2cm}}$

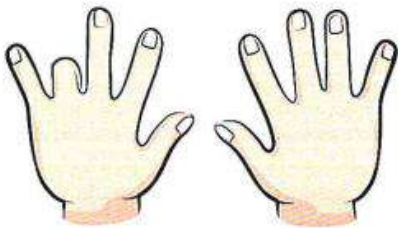
f. 7×30 $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times 10 = \underline{\hspace{2cm}}$

Chapter Six

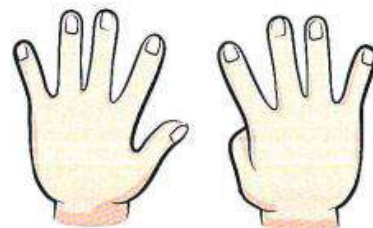
MULTIPLY BY 9 STRATEGY



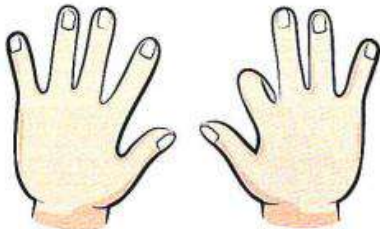
Solve the following by using figures.



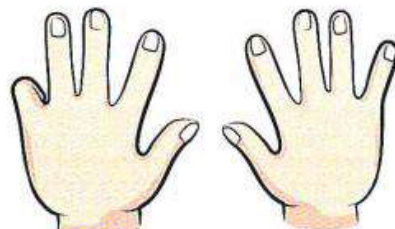
$$2 \times 9 = \underline{\hspace{2cm}}$$



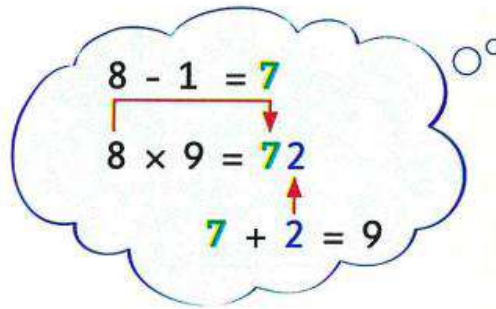
$$6 \times 9 = \underline{\hspace{2cm}}$$



$$7 \times 9 = \underline{\hspace{2cm}}$$



$$1 \times 9 = \underline{\hspace{2cm}}$$



Solve the following by using pattern.

$3 \times 9 = \boxed{\quad}$

$9 \times 4 = \boxed{\quad}$

$9 \times 6 = \boxed{\quad}$

$5 \times 9 = \boxed{\quad}$

$7 \times 9 = \boxed{\quad}$

$9 \times 9 = \boxed{\quad}$

Choose the correct answer.

a. 9×4 6×6 ($<$ or $=$ or $>$)

b. 9×20 $100 - 80$ ($<$ or $=$ or $>$)

c. $9 \times 2 = 3 \times \underline{\hspace{2cm}}$ (4 or 5 or 6)

d. $9 \times 13 = (9 \times 10) + (9 \times \underline{\hspace{2cm}})$ (2 or 3 or 4)

e. $400 + 50 = 9 \times \underline{\hspace{2cm}}$ (5 or 50 or 500)

f. $6 \times 9 = \underline{\hspace{2cm}}$ (45 or 54 or 63)

g. $9 \times 0 = 9 - \underline{\hspace{2cm}}$ (1 or 0 or 9)

HOMEWORK

Find the product using different strategies.

a. $3 \times 9 =$ _____

c. $6 \times 9 =$ _____

e. $9 \times 5 =$ _____

g. $1 \times 9 =$ _____

i. $9 \times 7 =$ _____

b. $2 \times 9 =$ _____

d. $4 \times 9 =$ _____

f. $9 \times 8 =$ _____

h. $0 \times 9 =$ _____

j. $9 \times 10 =$ _____



Complete.

a. _____ $\times 9 = 36$

b. $9 \times$ _____ $= 81$

c. _____ $\times 9 = 18$

d. $9 \times$ _____ $= 27$

e. _____ $\times 9 = 9$

f. $9 \times$ _____ $= 54$

g. _____ $\times 9 = 72$

h. $9 \times$ _____ $= 63$

i. _____ $\times 9 = 0$

Find the product.

a. $20 \times 9 =$

b. $9 \times 50 =$

c. $300 \times 9 =$

d. $9 \times 600 =$

e. $4,000 \times 9 =$

f. $9 \times 8,000 =$

FACTS ON MULTIPLICATION AND ADDITION

Here are some addition and multiplication facts will help you to solve addition and multiplication problems.

Adding to zero

The sum of zero and any number is that number.

Example : $0 + 3 = 3$

Multiplying by zero

The product of zero and any number is zero.

Example : $0 \times 3 = 0$

Adding to 1

The sum of 1 and any number is the number which just comes after.

Example : $1 + 3 = 4$

Multiplying by 1

The product of 1 and any number is that number.

Example : $1 \times 3 = 3$

Adding in any order

Addends can be added in any order and the sum does not change.

Example : $3 + 2 = 5$
 $2 + 3 = 5$

Multiplying in any order

Factors can be multiplied in any order and the product does not change.

Example : $3 \times 2 = 6$
 $2 \times 3 = 6$

Doubling numbers

Adding the same number twice is doubling it (multiplying by 2).

Example : $3 + 3 = 2 \times 3$
 $6 = 6$

Multiplying big numbers

Break apart big numbers into two smaller numbers.

Example : 6×7
 $= (6 \times 5) + (6 \times 2)$
 $= 30 + 12$
 $= 42$

Match the equal results.

a. $4 + 0$ b. 3×4 c. $0 + 0$ d. $3 + 4$ e. $4 + 4$

4×3 $4 + 3$ 4×1 2×4 2×0

Use addition or multiplication facts to find results.

a. $5 \times 1 = \square$

b. $6 + 0 = \square$

c. $8 \times 9 = \square$

d. $2 \times 2 = \square$

e. $3 + 7 = \square$

f. $9 \times 0 = \square$

g. $10 + 5 = \square$

h. $6 \times 4 = \square$

i. $5 + 6 = \square$

j. $6 + 6 = \square$

k. $2 \times 10 = \square$

l. $0 \times 0 = \square$

m. $5 + 10 = \square$

n. $1 \times 8 = \square$

o. $4 \times 10 = \square$

Check the following problems if add or multiply. Find the results.

- a. Amgad bought 3 toys. Each toy costs 5 pounds.
How much money did Amgad pay ?

Solve : _____

Check

Add

Multiply

- b. Sarah read 4 books in a month. In the next month she read 5 books.
How many books did she read in the two months ?

Solve : _____

Check

Add

Multiply

HOMEWORK

Use addition or multiplication facts to find results.

p. $0 + 10 = \square$

q. $4 \times 5 = \square$

r. $9 + 2 = \square$

s. $1 \times 1 = \square$

t. $7 + 7 = \square$

u. $1 + 6 = \square$

v. $9 \times 9 = \square$

w. $10 \times 0 = \square$

x. $5 + 5 = \square$

Complete the missing numbers.

a. $3 \times \square = 7 \times 3$

b. $4 \times \square = 0$

c. $6 + \square = 7$

d. $\square \times 5 = 5$

e. $\square + 4 = 5$

f. $9 + 9 = \square \times 2$

g. $\square + 0 = 6$

h. $8 + \square = 7 + 8$

i. $1 + \square = 9$

j. $7 + \square = 7$

Put $\times$ or $+$.

a. $8 \bigcirc 0 = 8$

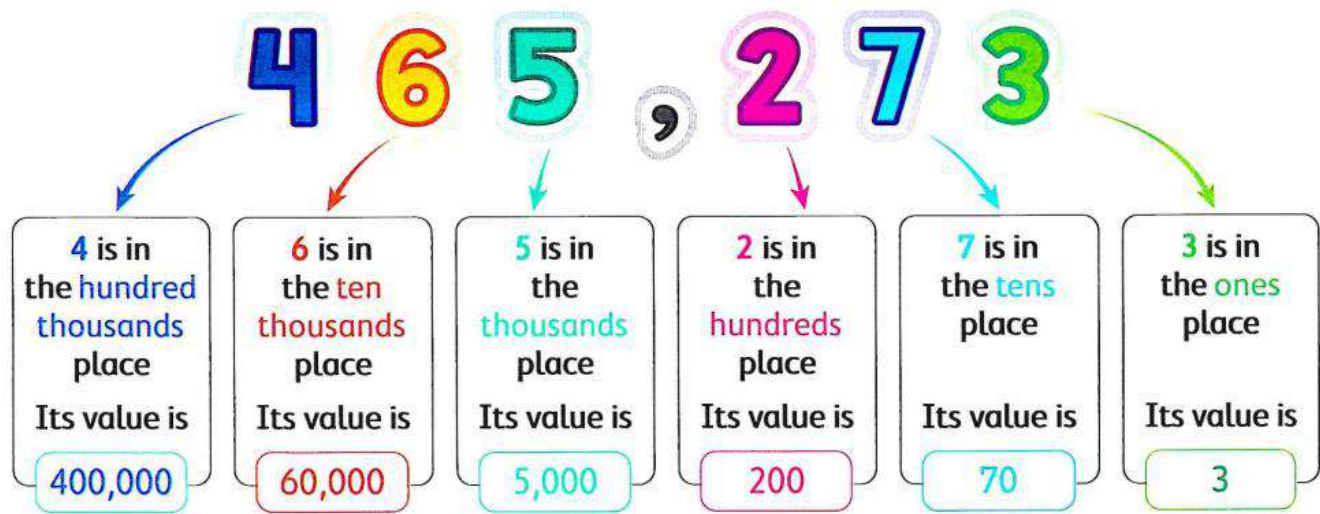
b. $5 \bigcirc 1 = 5$

c. $8 \bigcirc 2 = 10$

d. $1 \bigcirc 4 = 5$

e. $0 \bigcirc 10 = 0$

f. $2 \bigcirc 4 = 8$

COMPARING AND ORDERING**NUMBERS OF DIFFERENT FORMS**

Compare, write "> , = or <".

a. 99,564 ○ 213,456

c. 800,753 ○ 708,079

b. 561,374 ○ 552,987

d. 267,314 ○ 345,678

Arrange the following numbers in an ascending order.

745,319

953,442

467,890

754,319

The order is : _____ , _____ , _____ , _____

Complete the following.

a. 30,000 = _____ thousands

b. 200 hundreds = _____ thousands.

c. 4,000 = _____ thousands

d. _____ tens = 600

e. _____ = 200 thousands

f. 1 hundred thousand = _____ ten thousands

ADDITION STRATEGIES

Use decomposing numbers strategy to add each of the following.

Problem	Work area	The sum
a. $328 + 461$	_____ + _____ + _____ _____ + _____ + _____ _____ + _____ + _____	_____
b. $142 + 325$	_____ + _____ + _____ _____ + _____ + _____ _____ + _____ + _____	_____
c. $615 + 324$	_____ + _____ + _____ _____ + _____ + _____ _____ + _____ + _____	_____
d. $483 + 201$	_____ + _____ + _____ _____ + _____ + _____ _____ + _____ + _____	_____
e. $823 + 262$	_____ + _____ + _____ _____ + _____ + _____ _____ + _____ + _____	_____
f. $3,125 + 4,519$	_____ + _____ + _____ _____ + _____ + _____ _____ + _____ + _____	_____
g. $7,210 + 2,325$	_____ + _____ + _____ _____ + _____ + _____ _____ + _____ + _____	_____

HOMEWORK

Choose the correct answer.

a. The value of the digit 3 in the number 43,782 is _____

☐ 30,000

☐ 300,000

☐ 3,000

b. $6,000 + 100,000 + 5 + 20 + 700 =$ _____

☐ 16,725

☐ 106,725

☐ 61,527

c. The place value of the digit 8 in the number 582,014 is _____

☐ Thousands

☐ Ten thousands

☐ Hundred thousands

d. Five hundred thirty-one thousand, seventy-four in standard form is _____

☐ 531,740

☐ 53,174

☐ 531,074

e. $74,215 >$ _____

☐ 74,225

☐ 74,316

☐ 74,005

f. $352,948 <$ _____

☐ 350,949

☐ 352,950

☐ 352,850

g. The place value of the digit 2 in the number 32,615 is _____

☐ Hundred thousands

☐ Ten thousands

☐ Thousands

Arrange the following numbers in an ascending order.

a. 

5,021

5,201

5,102

5,210

The order is : _____ , _____ , _____ , _____

Arrange the following numbers in a descending order.

a.

3,109

499

30,199

4,099

409,009

The order is : _____ , _____ , _____ , _____ , _____

Add.

a.
$$\begin{array}{r} 437 \\ + 318 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 532 \\ + 218 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 629 \\ + 317 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 757 \\ + 156 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 160 \\ + 485 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 678 \\ + 228 \\ \hline \end{array}$$

g.
$$\begin{array}{r} 145 \\ + 56 \\ \hline \end{array}$$

h.
$$\begin{array}{r} 625 \\ + 91 \\ \hline \end{array}$$

i.
$$\begin{array}{r} 3,236 \\ + 4,285 \\ \hline \end{array}$$

j.
$$\begin{array}{r} 5,290 \\ + 333 \\ \hline \end{array}$$

k.
$$\begin{array}{r} 6,706 \\ + 2,186 \\ \hline \end{array}$$

l.
$$\begin{array}{r} 7,104 \\ + 609 \\ \hline \end{array}$$

Solve the following problems.

a. $(142 + 297) + 116$

$= (\quad) + 116 = \quad$

b. $316 + 12 + 149$

$\quad$
 $\quad$

c. $(137 + 201) + (119 + 235)$

$= (\quad) + (\quad)$

$= \quad$

d. $411 + 98 + 312 + 175$

$\quad$
 $\quad$

ADDITION STRATEGIES

Subtract.

a.
$$\begin{array}{r} 591 \\ - 342 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 436 \\ - 129 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 630 \\ - 215 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 442 \\ - 324 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 156 \\ - 28 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 309 \\ - 41 \\ \hline \end{array}$$

g.
$$\begin{array}{r} 239 \\ - 159 \\ \hline \end{array}$$

h.
$$\begin{array}{r} 670 \\ - 237 \\ \hline \end{array}$$

APPLICATIONS ON

ADDITION & SUBTRACTION

Read each story problem and decide on a strategy to solve it show your work of each problem. Some problems might have more than one step to be solved. Read carefully.

- a. Amr saved 365 pounds in one year. The next year he saved 475 pounds.
What is the total amount he saved ?



- b. There are 365 days in one year. If 147 days have passed since the beginning of the year. How many days are left in the year ?



HOMEWORK**Subtract.**

i.
$$\begin{array}{r} 7,264 \\ - 5,158 \\ \hline \end{array}$$

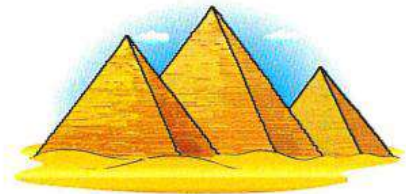
j.
$$\begin{array}{r} 6,418 \\ - 4,238 \\ \hline \end{array}$$

k.
$$\begin{array}{r} 7,657 \\ - 6,238 \\ \hline \end{array}$$

l.
$$\begin{array}{r} 8,712 \\ - 420 \\ \hline \end{array}$$

Read each story problem and decide on a strategy to solve it show your work of each problem. Some problems might have more than one step to be solved. Read carefully.

- c. The school arranged a trip to pyramids. 1,355 students from primary stage and 1,420 from preparatory and secondary stages are going.
How many students are going in all stages ?



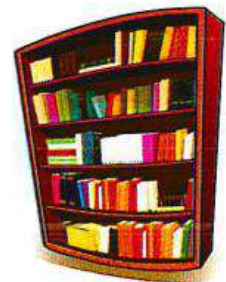
- d. Bassem's book has 370 pages. He has already read 139 pages.
How many pages does Bassem have left to read ?



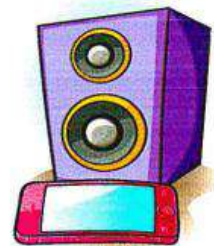
- e. Three boxes filled with marbles were just delivered to the factory.
If each box is filled with 435 marbles.
How many marbles were delivered in all ?



- f.  The library can hold 2,475 books, but 525 books are out on loan and 137 books are missing.
How many books are there in the library right now ?



- g. Sami had 6,000 L.E. to spend. He bought a new mobile for 3,250 L.E.
and a speaker for 675 L.E.
How much money does have left with him ?

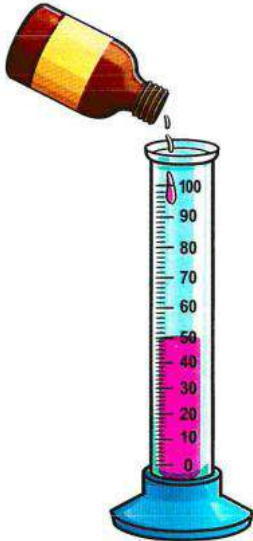


THE CAPACITY

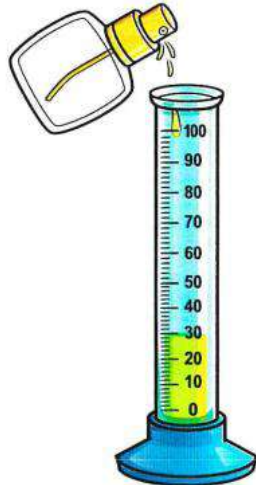
Liters and Milliliters

We use the graduated cylinder to measure the liquids

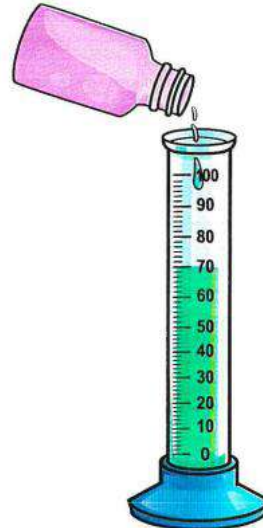
Write the capacity for each of the following.



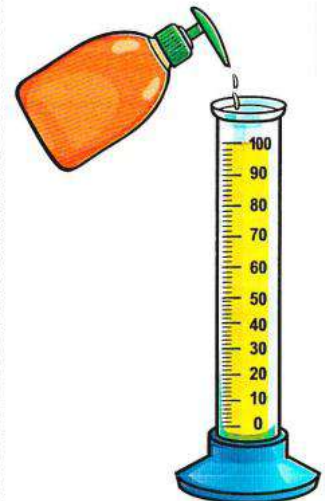
Capacity of 
is _____ mL



Capacity of 
is _____ mL



Capacity of 
is _____ mL



Capacity of 
is _____ mL

Choose the better estimate for the capacity of each.

1.



3 L or 30 mL

2.



1 L or 5 L

3.



14 L or 14 mL

Choose the unit you would use to measure the capacity of each. Write *mL* or *L*.

4. bathtub

5. a spoon

6. a container of milk

Choose the better estimate for the capacity of each.

7.



100 L or 100 mL

8.



20 L or 2 L

9.



200 mL or 200 L

Choose the unit you would use to measure the capacity of each. Write *mL* or *L*.

10. a pail

11. a soup can

12. a drinking glass

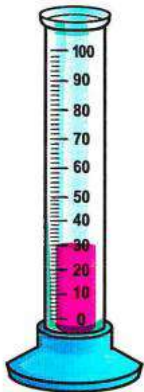
13. a pond

14. a small vase

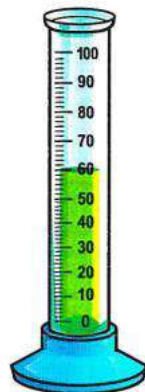
15. a watering can

How many mL are there ?

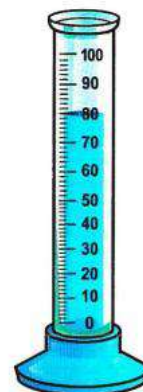
a.



b.



c.



Complete the following.

a. 5 L = _____ mL

b. 9 L = _____ mL

c. 3,000 mL = _____ L

d. 4,000 mL = _____ L

Choose the suitable measuring unit:

Petrol in a car



L

ML

Soda in a can



L

ML

Spoonful of medicine



L

ML

Dishwashing soap



L

ML

Water in a bottle



L

ML

Shampoo in a bottle



L

ML

Juice in a juice box



L

ML

Water in the bathtub



L

ML

Medicine in a syringe



L

ML

HOMEWORK

Choose the better estimation for each.

a.


☐ 1 mL ☐ 1 L

b.


☐ 300 mL ☐ 300 L

c.


☐ 10 mL ☐ 10 L

d.


☐ 40 mL ☐ 40 L

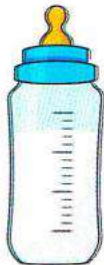
e.


☐ 2 mL ☐ 2 L

f.


☐ 500 mL ☐ 500 L

g.


☐ 200 mL ☐ 200 L

h.


☐ 3 mL ☐ 3 L

i.


☐ 350 mL ☐ 350 L

j.


☐ 2 mL ☐ 2 L

k.

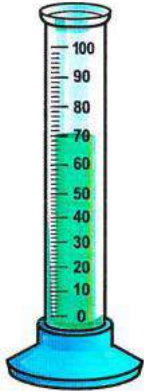

☐ 10 mL ☐ 10 L

l.

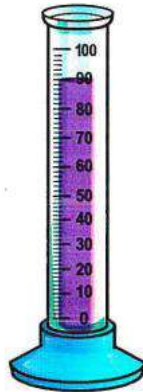

☐ 50 mL ☐ 50 L

How many mL are there ?

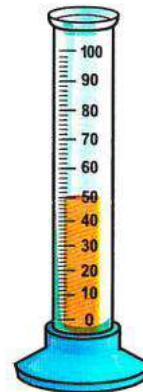
d.



e.



f.



Complete the following.

a. 25 L = _____ mL

b. 37,000 mL = _____ L

c. 10 Liters = _____ milliliters

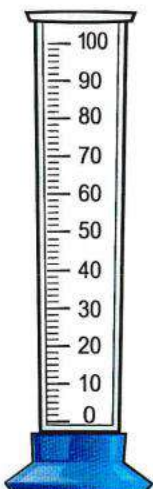
d. 7 Liters = _____ milliliters

e. 75,000 milliliters = _____ Liters

f. 1,000 milliliters = _____ Liter

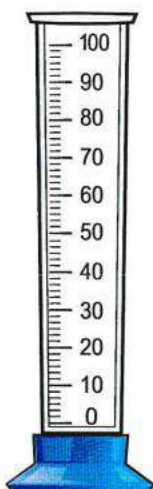
Color to reach the given measures.

a.



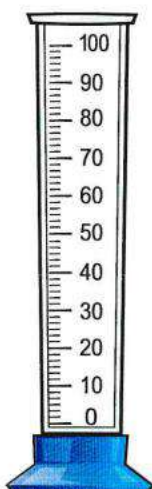
30 mL

b.



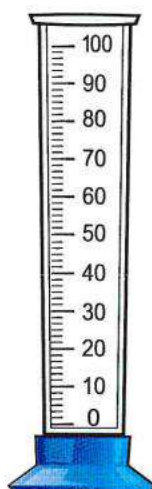
80 mL

c.



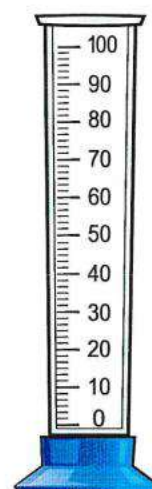
50 mL

d.



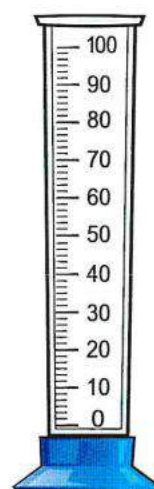
100 mL

e.



10 mL

f.



70 mL